

**In The Matter Of:**

*UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
RE: USS LEAD PROPOSED PLAN ZONE 1*

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*PUBLIC MEETING  
February 13, 2019*

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***BOSS REPORTERS***

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PUBLIC MEETING (RESCHEDULED)

RE: PROPOSED PLAN FOR ZONE 1

USS LEAD SUPERFUND SITE

at

FORMER CARRIE GOSCH ELEMENTARY SCHOOL

455 East 148th Street, East Chicago, Indiana

Wednesday, February 13, 2019

6:00 o'clock p.m.

Reported by: Beth A. Barnette, CSR,  
Illinois License No. 084-004727  
Notary Public, State of Indiana

BOSS REPORTERS  
& VIDEOCONFERENCING  
GARY \* MERRILLVILLE \* VALPARAISO, INDIANA  
(219) 769-9090

1 APPEARANCES

2 ON BEHALF OF THE U.S. ENVIRONMENTAL PROTECTION  
3 AGENCY:

4 Janet Pope, Community Involvement Coordinator and  
5 Hearing Facilitator  
6 Charles Rodriguez, Community Involvement Coordinator  
7 Doug Ballotti, Deputy Director Superfund  
8 Tom Alcamo, Remedial Project Manager  
9 Tim Fischer, Supervisor, Superfund Division  
10 Phillippa Cannon, Supervisor, Superfund Division  
11 Rachel Zander, Office of Regional Council  
12 Rachel Bassler, Media Responses  
13 pope.janet@epa.gov  
14 alcamo.thomas.epa.gov

15 ALSO PRESENT:

16 Michael Lythcott, SKEO and Facilitator

17 Douglas Petroff, IDEM

18 Members of the Public

19 \* \* \*

20 I N D E X

21 ITEM	22 DESCRIPTION	23 PAGE/LINE	
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26 \* \* \*

1 MS. POPE: My name is Janet Pope.  
2 Myself and Charles Rodriguez are community  
3 involvement coordinators for the USS Lead  
4 site. I'd like to thank you for coming out  
5 this evening to listen and comment on the  
6 proposed cleanup plan for Zone 1.

7 At this point I'd like to  
8 introduce from the U.S. EPA, first, Doug  
9 Ballotti, who is the deputy director of the  
10 Superfund; Tim Fischer, who is one of the  
11 supervisors in the Superfund Division;  
12 Phillippa Cannon, who's a supervisor for the  
13 Superfund Division; Rachel Zander, who is with  
14 the Office of Regional Council; Rachel  
15 Bassler -- and Rachel may be outside, but  
16 Rachel is the person that deals with our media  
17 responses; and also Douglas Petroff is here  
18 from the Indiana Department of Environmental  
19 Management. We also have Michael Lythcott,  
20 who is going to be facilitating this meeting  
21 tonight. We have Tom Alcamo, who is the  
22 remedial project manager for Zone 1, and he'll  
23 be giving the presentation tonight.

24 So just a few other things before  
25 we get started. First of all, we have a court

1 reporter, Beth, who is here on my left, and  
2 she's going to be recording the entire  
3 meeting, as well as the public comment period  
4 tonight. Once that transcript is available,  
5 we will post it on the web. So she's going to  
6 record everything tonight. Once it's  
7 available, we're going to put it on the  
8 website. Okay?

9 Okay. So this meeting is for you  
10 to submit public comments regarding this  
11 proposed plan. So with that said, after Tom's  
12 presentation, we'll have a brief question and  
13 answer period. We ask that you get a number  
14 to ask questions. So if you want to ask a  
15 question, we ask that you get a number. There  
16 will be two minutes allotted for each question  
17 per person, two minutes.

18 If time runs out during this  
19 period or this session, please put your  
20 questions in writing and we'll respond to your  
21 questions in the form of a question and answer  
22 fact sheet by mail, as well as post them on  
23 the web page, as we did with the November 29th  
24 Q and As. Copies of a blank or green Q and A  
25 form are inside of the packets that you have,

1 or you can get a copy at the sign-in table  
2 outside, if it's not in the packet.

3 The next thing is for the public  
4 comment period. Okay. So we had several  
5 people that did not have a chance to give  
6 public comments at the last period. So  
7 priority will be given to those people who did  
8 not have a chance to give comments. We have  
9 the names of the three people that did not  
10 have a chance to give comments. So as they  
11 come in, we'll let -- we'll let you know.  
12 They're going to come up and give their  
13 comments first as they come in. Until then,  
14 we'll go ahead with the public comment period  
15 as scheduled. And so by checking "yes" on the  
16 box in the sign-in sheet outside, you're  
17 telling us you want to do a public comment and  
18 they will come and give us those names of  
19 those people.

20 So once the public comment period  
21 starts and your name is called, please walk up  
22 to the microphone to give your name and state  
23 your comments. In the Q and A, the question  
24 and answer, you need a number, but for the  
25 public comment period all you need to do is

1 sign your name, or you can either do both, so  
2 it doesn't matter. So you'll have five  
3 minutes to make public comments. We'll be  
4 running a timer on the screen up at the top.  
5 So you'll have a timer up there so you can  
6 keep track of where you are with your comments  
7 or your questions.

8           Again, all comments must be  
9 received or postmarked by March 13th, 2019.  
10 You can give those comments orally or in  
11 writing at this meeting. You can fill out and  
12 return the public comment sheet. That's the  
13 white sheet in the packet. It says, Public  
14 Comment Sheet. It's in the packet, or you can  
15 mail your public comments to me in the mail,  
16 and my information is on the front page of the  
17 fact sheet, or either you can respond by going  
18 on the Internet and we'll take public comments  
19 that way.

20           So at this time I'll turn it over  
21 to Michael Lythcott, who is going to  
22 facilitate the meeting for the evening, and  
23 thank you so much.

24           MR. LYTHCOTT: Thanks, Janet. My  
25 name is Michael Lythcott. I'm an EPA

1 contractor. I live in New Jersey. My primary  
2 function tonight is going to be to manage the  
3 time, the chunks of time, to make sure that  
4 everybody gets a chance to contribute to this  
5 meeting. Last time we ran out of time. So I  
6 really want to emphasize again what Janet  
7 said.

8 First interaction will be  
9 questions and answers about Tom's  
10 presentation. Questions, statements, comments  
11 that you have about it, feelings that you have  
12 about it, what you've heard about it, rumors  
13 you've heard about it, that will all happen in  
14 the five-minute slot in the public comment  
15 period. So, two minutes for the Q and A, and  
16 then for each individual who has a number,  
17 then five minutes in the second part of the  
18 evening.

19 With that said, I'd like to  
20 introduce Tom Alcamo, who is going to give us  
21 the overview of the recommended proposed  
22 remedy.

23 MR. ALCAMO: Hi, everyone. Can  
24 you hear me? Is it good? Yeah, so, I'm going  
25 to do kind of a short presentation, very



1 similar to the last presentation we did back  
2 on November 29th. We're here tonight because  
3 of the subsequent closing and the demolition  
4 of the West Calumet Housing Complex. And so  
5 with that demolition, it's changed the -- it's  
6 changed the use of the property in regards to  
7 there's no more housing complex; therefore, we  
8 need to go back out and look at alternative  
9 remedies, because the remedy that was  
10 initially chosen is not appropriate now  
11 because the complex is tore down. Again, just  
12 to remind everyone, you have -- if you don't  
13 want to speak tonight, you have until March  
14 13th to submit comments.

15 Next slide, Charles. So just to  
16 give you a general overview of the area, we  
17 have something called Operable Unit 1, which  
18 is this red here. And if you think of an  
19 operable unit, it's something like a phase.  
20 We have three zones. So 1, where we're here  
21 tonight about, and there's Zone 2, and Zone 3.  
22 We also have a second phase, which is the  
23 former USS Lead facility, that we are doing  
24 some work here and some sampling to evaluate  
25 wetlands on this piece of property, but also

1 we're doing an area-wide groundwater study  
2 that's currently underway.

3 And then finally, we have the  
4 DuPont/Chemours site, which is undergoing  
5 cleanup under the Resource Conservation  
6 Recovery Act; not Superfund, but another EPA  
7 program. I know there was a question at the  
8 last meeting regarding this piece of property  
9 here. That property has been cleaned up under  
10 the Indiana Voluntary Program. So if you have  
11 any questions on that piece of property, you  
12 can get that information from IDEM.

13 Next slide, please. So let's talk  
14 about future use. EPA cleans up properties  
15 based on future use. Okay? We don't make  
16 that determination. The owner of the property  
17 makes the determination. So, the property  
18 owner is the East Chicago Housing Authority  
19 and the City of East Chicago. The future use,  
20 as I said, is important because it takes a  
21 residential cleanup. It's a more stringent  
22 cleanup than, let's say, if it was a  
23 commercial piece of property because the  
24 exposure is different.

25 So in any case, we recently

1 received public comments from the mayor.

2 There was some confusion, particularly prior  
3 to -- well, essentially, when we wrote the  
4 previous proposed plan back and released it in  
5 November. But now the mayor has made a  
6 statement that the future use of this property  
7 is residential. Now, will that change before  
8 the end of the public comment period? I don't  
9 know. But right now we are assuming that the  
10 future use of this property is residential.

11 And one thing to keep in mind,  
12 there are a number of developers that are  
13 interested in this piece of property and also  
14 submitted public comments to that effect. One  
15 thing we are going to do is, we're going to  
16 redact the public comments we receive today  
17 and put those on the web page for everybody to  
18 see as we move forward. Now, again, you still  
19 have until March 13th, but we have received  
20 some comments already.

21 Next slide, please, Charles. So  
22 back in November of 2012, we signed a remedy  
23 decision -- we call that a Record of Decision,  
24 to essentially clean up Zones 1, 2, and 3 to  
25 residential standards. The cleanup called for

1 excavating to 2 feet. The cleanup criteria  
2 was 400 parts per million lead, 26 parts per  
3 million arsenic. The soils would have been  
4 disposed of off site, and then there would be  
5 institutional controls such as visible markers  
6 and deed restrictions as part of that remedy.

7 As you know, back in November of  
8 2012, most of the housing complex was  
9 occupied. Therefore, there was no excavation  
10 planned under hardscapes such as houses,  
11 streets, and sidewalks. Of course, now that's  
12 all changed and that's one of the reasons why  
13 we're here today. Back in 2012, we looked at  
14 the cost to be about \$25 million to clean up  
15 all three zones. We're now well in excess --  
16 likely to be well in excess of \$100 million.

17 Just to give you kind of a  
18 schedule of where we're at right now is, we  
19 expect by the end of this calendar year, 2019,  
20 to be 99 percent done with the Zone 3 cleanup  
21 and about 90 percent done with the Zone 2  
22 cleanup. So we started those cleanups back in  
23 the fall of 2016 and then we've been  
24 accelerating those cleanups the last few  
25 years, and we're making a lot of progress

1 associated with that.

2 So next slide, Charles, please.

3 So this gives you an idea of where Zone 1 is,  
4 Revised Zone 1. The Carrie Gosch school,  
5 where we're at today, already has an agreement  
6 in place for the cleanup. That clean up is  
7 going to be happening this summer. Therefore,  
8 we don't need to include Carrie Gosch into  
9 this remedy decision because it's already --  
10 an agreement is already in place to clean that  
11 up. This is about 50.5 acres and it consists  
12 of the former housing complex, utility  
13 corridor, and Goodman Park.

14 Next slide, please. So when we  
15 started looking at alternatives, we had the  
16 benefit of having a lot of sampling data. So,  
17 for example, we had over a thousand well  
18 samples just from Zone 1 due to the  
19 investigation phase and the design phase.  
20 Also, the East Chicago Housing Authority,  
21 prior to doing the demolition, they hired an  
22 engineering firm to do a series of borings on  
23 the site. There's 38 in total, and those  
24 borings went to a depth of about 12 feet.

25 And some of the things that came

1 about with the borings, groundwater is at  
2 about 4 feet. A number of the borings had  
3 debris; specifically concrete and bricks, and  
4 things like that, at a depth of 11 feet. They  
5 also did do some soil and groundwater  
6 sampling, and I'll talk about that in a little  
7 bit. So we took all that data and we were  
8 able to use that data to basically calculate  
9 various volumes for our cleanup.

10 Alternatives. Next slide, please.  
11 So, when you -- basically, this gives a  
12 general idea of what some of the averages and  
13 what the median is. If you don't know what a  
14 median is, a median is the point that's right  
15 in the middle. So on that zero to 6 inches  
16 for lead, at 831 parts per million, half the  
17 samples are greater than 831 and half are  
18 below that. So that's what the median means.  
19 For example, we assumed down to 30 inches that  
20 it's pretty much contaminated down to 30  
21 inches.

22 One of the things that East  
23 Chicago did, they did take a number of soil  
24 samples. 21 of those soil samples were done  
25 at depth, between 4 feet and 12 feet. 15 out

1 of the 21 samples at depth showed  
2 concentrations under our cleanup criteria of  
3 400 parts per million lead, 26 for arsenic,  
4 and the ones that exceeded were at 4 feet. So  
5 the ones at depth, even though they're  
6 limited, did not show contamination.

7 So, the feasibility study. So a  
8 feasibility study is a document which we  
9 developed. It very self-determinant. It  
10 evaluates those alternatives which determines  
11 what's the best remedy to clean up the site.  
12 So we took the original feasibility study and  
13 we then did an addendum to that or added on to  
14 it because of the demolition of the housing  
15 complex. We used -- some assumptions we used  
16 were future use was 400 parts per million  
17 lead, 26 arsenic. We did assume all the soil  
18 was contaminated greater than the cleanup  
19 criteria down to 30 inches.

20 We did evaluate a various suite of  
21 alternatives, including stabilization,  
22 separation technology called soil washing and  
23 containment. We really determined that  
24 excavation and off-site disposal would be the  
25 most viable options to evaluate. As I

1 mentioned previously, on this second phase  
2 there is, as we speak, a groundwater study  
3 that's currently underway, and we started  
4 getting some data back and that will be  
5 released within the next few months.

6 So to go into the various  
7 alternatives we looked at, this first  
8 alternative is an alternative to industrial  
9 standards. And so based on the mayor's  
10 letter, this alternative would not be  
11 protected and this alternative now has  
12 basically been thrown out. Now if something  
13 happens in the future prior to us signing the  
14 remedy decision, that we get something that  
15 says there's going to be commercial  
16 development -- and that's somewhat what's been  
17 sent in some of the public comments we've  
18 received to date, then we may end up going  
19 back and choosing this alternative. But  
20 unless we receive something prior to us  
21 signing this Record of Decision, I don't  
22 expect this alternative to be chosen or to  
23 be -- essentially, not protected because this  
24 remedy -- this alternative is not stringent  
25 enough for a residential standard.



1                   So one of the -- back up to the  
2                   other one, Charles. One of the things to  
3                   discuss is, because when we actually did the  
4                   initial proposed plan, we really were unsure  
5                   in terms of what the future use was of this  
6                   property. Now we had had initially a letter  
7                   from the city talking about commercial  
8                   development. Then we had verbal conversation  
9                   with the mayor saying it was residential. Now  
10                  we have this public comment that specifically  
11                  says it's residential. So, therefore, it is  
12                  residential.

13                  So Alternative 4B, which is our  
14                  recommended alternative, this is an  
15                  alternative that we excavate down to 2 feet,  
16                  off-site disposal, and then we would treat  
17                  some of the materials that we excavate, and  
18                  then we would implement institutional controls  
19                  such as a visible barrier and deed  
20                  restrictions. This is very similar to the  
21                  previous remedy we chose in November 2012.  
22                  You're talking about 235,000 tons, or about  
23                  8,000 trucks, that would be needed to do this  
24                  type of remedy. There would be some concrete  
25                  we'd have to remove.

1                   Also, we expect, based on the lead  
2                   concentration, that about 50 percent of the  
3                   soils would require treatment, and that  
4                   treatment will be by stabilization to limit  
5                   the mobility prior to disposal. The cost is  
6                   about \$26 and a half, and we expect this to  
7                   take seven months to complete. And this  
8                   remedy is, again, our recommended alternative,  
9                   and it's really consistent with the remedies  
10                  we're doing in Zones 2 and 3 and other  
11                  remedies across the county.

12                  We also looked at Alternative 4C,  
13                  which is excavation down to groundwater or  
14                  native sand, whichever is shallower; again,  
15                  similar to Alternative 4B, in which we would  
16                  also require treatment of some of the soils  
17                  prior to disposal and there would need to be  
18                  institutional controls because under -- likely  
19                  under 4 feet there is more contamination. So  
20                  we'd have to use institutional controls to  
21                  ensure that people are not exposed to that.  
22                  This remedy is about 11,000 trucks. There's  
23                  about 10,000 cubic yard of concrete. We think  
24                  about 45 percent of theses soils will require  
25                  stabilization prior to disposal, and the cost

1 is about \$40 million.

2 So the last alternative we looked  
3 at was Alternative 4D, which is excavation  
4 down to native sand. So what we do here is go  
5 down and chase even the debris that is at  
6 depth within groundwater. So there's about  
7 12,000 trucks that we would be needed to do  
8 this alternative and about 365,000 tons.  
9 Assume about 15,000 cubic yards of concrete.  
10 Again, about 45 percent of the soils would  
11 require treatment prior to disposal. One of  
12 the things about this alternative is that we  
13 would likely need to do groundwater treatment  
14 and sheet pile installation. If you don't  
15 know what a sheet pile is, it's kind of a big,  
16 metal wall that's gets pounded into the  
17 ground, and that will, essentially, help try  
18 to control groundwater, because groundwater  
19 will be flowing into the excavation as we go  
20 deeper into this site. And the cost is about  
21 \$49 million and will take 14 months to  
22 complete.

23 Next slide. So just to do a quick  
24 comparison of 4B, which is our recommended  
25 alternative, and 4C. 2 feet compared down to

1           either 4 feet groundwater or native sand.  
2           Both alternatives leave contamination at  
3           depth. It would require institutional  
4           controls. We don't view 4C as providing a  
5           much greater risk reduction compared to 4B.  
6           It's going to cost \$13 million more, and 4C  
7           would be as you get deeper, the more difficult  
8           it is to implement. And again, 4C is down to  
9           groundwater, native sand, would not be as  
10          consistent with Zones 2 and 3 remedies or  
11          other remedies nationwide.

12                        Next slide, please. You're ahead  
13          of me, Charles. Alternative 4B versus  
14          Alternative 4D. 4D is the one to native sand.  
15          Again, there's a large amount of contingency  
16          due to implementability issues associated with  
17          4D. Excavation into groundwater is very  
18          challenging, and 4D is about \$22 million more  
19          expensive.

20                        Next one, Charles, please. So  
21          when we look at these sites and how do we  
22          compare the alternatives to each other, we  
23          do -- there's nine criteria. The first two  
24          are called threshold criteria. These are  
25          criteria that have to be met; overall

1 protection of human health and the environment  
2 and compliance with ARARs. That's means  
3 regulations. So as I mentioned previously,  
4 for example, in 4A, remember the one to  
5 industrial, that would not meet protection of  
6 human health and the environment. So that  
7 would not be able to move forward. So these  
8 are called thresholds that have to be met  
9 before we can actually choose that remedy, and  
10 we do think 4B, 4C, and 4D would meet that.

11 The next criteria we use is  
12 something called balance in criteria. There's  
13 five of them; long-term effectiveness and  
14 permanence, reduction of toxicity, mobility,  
15 or volume through treatment, short-term  
16 effectiveness -- short-term effectiveness is  
17 the risk associated to the community and the  
18 construction workers during actual  
19 construction activities -- implementability,  
20 and cost. So what we do with these five is,  
21 we look at the alternatives and we compare  
22 each alternative to these five criteria. And  
23 then finally, we have two criteria called the  
24 modifying criteria, which is state acceptance  
25 and community acceptance.

1                   We're here tonight to hear your  
2                   public comments on community acceptance. So  
3                   the state has told us verbally that they  
4                   support our preferred Alternative 4B. We've  
5                   not received anything in writing from them  
6                   yet, but they have told us verbally that they  
7                   support it. We're here tonight to hear your  
8                   comments. We already received a large number  
9                   of comments to date, but you have, again,  
10                  until March 13th in which to submit your  
11                  comments. So what happens is, after we get  
12                  all the comments, we evaluate those comments  
13                  and we respond to those comments, and based on  
14                  those comments, we could modify our preferred  
15                  alternative or our recommended alternative  
16                  based on the comments.

17                  So this slide gives you kind of  
18                  just a general overview of the comparisons of  
19                  the alternative. I encourage you to read the  
20                  proposed plan. There's a long version of the  
21                  preposed plan on the web. It talks in detail  
22                  regarding how we looked at each criteria. But  
23                  again, when you look at these, Alternative 1,  
24                  which we have to evaluate, that is a no action  
25                  alternative. That's required under our law.

1           And so, of course, if we didn't do anything  
2           out there, it would not be protected. So we  
3           would not move forward with that alternative.  
4           And again, as I mentioned previously, 4A was  
5           the alternative to clean up to industrial  
6           standards. Since the site is residential,  
7           this would not be a protected remedy, so that  
8           would not move forward. But we do think  
9           Alternatives 4B, 4C, and 4D all are  
10          protective.

11                        If the institutional controls for  
12          4B and 4C are implemented appropriately, along  
13          with maintenance, five-year reviews, this  
14          remedy will be protective. Again, 4B, 4C, and  
15          4D would all meet the regulations. So when we  
16          look at long-term effectiveness and  
17          permanence, we again think that 4B, 4C, and 4D  
18          would be effective and permanent in the  
19          long-term; specifically, 4B and 4C because of  
20          the institutional controls that would be in  
21          place and the continuing maintenance and  
22          evaluation of the site because waste would be  
23          left in place.

24                        Reduction of toxicity, mobility,  
25          or volume for treatment, all those three

1 alternatives, B, C, and D, are going to have  
2 some phase of treatment associated with it.  
3 That treatment will likely be stabilization.  
4 And, again, to repeat, the stabilization is  
5 like taking the soils and encasing it in  
6 concrete prior to it being disposed of in a  
7 landfill to prevent leaching. The short-term  
8 effectiveness, as you know, during our Zone 2  
9 and Zone 3 cleanup, we have been doing air  
10 monitoring.

11 They also did significant air  
12 monitoring during the demolition phase. That  
13 information you can -- any of that information  
14 you can receive from the city. But in any  
15 case, we had full-time oversight during the  
16 demolition phase to ensure that the  
17 neighborhood and the construction workers were  
18 not affected. And we think, basically, by  
19 implementing a good engineering program, a  
20 good air monitoring program, and engineering  
21 controls, that 4B, 4C, and 4D can be done  
22 safely to the neighborhood and to the  
23 construction workers.

24 Implementability, they all can be  
25 implemented, some more difficult than others,



1 but they can all be implemented. And then the  
2 comparison of the cost, as I mentioned  
3 previously, between 26 plus million to almost  
4 \$50 million. And again, we're here tonight to  
5 hear what you have to say regarding community  
6 acceptance.

7 So the next one, just to give you  
8 kind of a quick summary of all the  
9 alternatives -- you can look at this, again,  
10 4B is our recommended alternative. That goes  
11 down to 2 feet, cleanup criteria of 400 parts  
12 per million arsenic -- or 400 parts per  
13 million lead, 26 parts per million arsenic;  
14 4C, groundwater and native sand; and 4D is to  
15 native sand. So you can see the comparisons  
16 there.

17 So finally, just to do a summary,  
18 again, EPA will recommend Alternative 4B,  
19 which is similar to the original remedy. We  
20 view Alternative 4B to be protective to  
21 residential use, particularly with the  
22 institutional controls that would be in place,  
23 and future residential development could occur  
24 on the property, and it's done at other sites  
25 across the country. Implementability, as you

1 can imagine, gets more difficult as you go  
2 deeper. Redevelopment could influence the  
3 final remedy decision.

4 Right now, unless we receive  
5 something from the owner prior to us signing  
6 the Record of Decision, then the future use  
7 here is residential. Now, if we got something  
8 in the mail from the owner saying, hey, we  
9 want this commercial, we could go back and  
10 evaluate Alternative 4A, but right now that is  
11 off the table. And again, finally, the State  
12 of Indiana supports our recommended remedy.  
13 Okay.

14 MR. LYTHCOTT: Thanks, Tom. So  
15 we're going to do a question and answer now to  
16 make sure that you fully understand what Tom  
17 just presented, that you understand the terms,  
18 you understand the implication, the  
19 alternatives, just questions for  
20 clarification. Now I'd like to ask everybody  
21 to pull out of your packet the agenda, which  
22 should be your first page, and if you turn it  
23 over and look at the back of it, there's a set  
24 of ground rules that Janet and I already  
25 talked about mostly.

1                   So we're in that first phase,  
2                   public meeting Q and A, questions and answers.  
3                   You have to have a number from the desk to ask  
4                   a question, a two-minute time limit, and only  
5                   one person speaking at a time. And I don't  
6                   know how many numbers we have out, but we have  
7                   until 7:00 or maybe 7:05 to handle all the  
8                   clarification questions.

9                   MS. POPE: Number 1.

10                  REMONSTRATOR: I do have a  
11                  question. So as far as the comments go, I  
12                  know you get a lot of written comments and I  
13                  know you have a lot of comments coming from a  
14                  lot of different angles. How do you decipher  
15                  through those like behind the scenes?

16                  MR. ALCAMO: So we have to respond  
17                  to all those comments. We can group some of  
18                  the comments that may be very similar and  
19                  we'll group those comments and respond to  
20                  that. So it's essentially laying all the  
21                  comments out and responding directly to those.  
22                  And then once we've looked at that, we'll --  
23                  this project likely is going to be going up to  
24                  headquarters, to Washington, D.C. and my upper  
25                  management, and we'll talk about the comments

1 and determine if there needs to be a  
2 modification to the remedy.

3 REMONSTRATOR: Okay. Thank you.

4 MS. POPE: Number 2.

5 MR. FRANK: Thomas Frank. I just  
6 wanted to get clarification on Alternative 4D.  
7 I believe in the previous meeting in the last  
8 packet it indicated that there were no  
9 institutional controls. In this packet it's  
10 now saying institutional controls may be  
11 likely.

12 MR. ALCAMO: Well, the point is,  
13 dependent upon what we see because of the  
14 removal of all the debris. I think the  
15 problem too is going to be excavating this TO  
16 groundwater and are we going to end up leaving  
17 anything. That's something that we'll have to  
18 evaluate, but part of that is, will we need AN  
19 institutional control for groundwater.  
20 Groundwater is a separate remedy decision and,  
21 therefore, that will be done in a separate  
22 meeting, in a public comment period, and all  
23 that. So if there's a point, I didn't want to  
24 say no, because if there is some issues with  
25 respect to the groundwater, then we would

1           likely have to limit the ability to someone to  
2           put drinking water on the site, something to  
3           that effect.

4                       MR. FRANK:  And I'd like to  
5           understand, following up on my next question,  
6           how the different stakeholders or interests,  
7           how their comments are weighted.  For  
8           instance, you've indicated that the state is  
9           somebody you're going to.  The city, they're  
10          owners of the property.  Obviously, the  
11          residents in this neighborhood, Calumet, are  
12          the ones that have to live with the decision.  
13          So we'd like to understand how you weight and  
14          are you weighting the residents in this  
15          neighborhood over all the other interests?

16                      MR. ALCAMO:  I guess the question  
17          associated with that is, are we weighting, and  
18          usually it's not, but I think we have to lay  
19          all the comments out.  We're not -- I'm not  
20          prepared tonight to discuss it in detail, but  
21          we'll lay out all the comments, and based upon  
22          that we'll kind of determine if we need to  
23          modify the remedy on the comments.  The  
24          community acceptance is not the only criteria  
25          that we look at.  Okay?  That has to get put

1 out there, but it is something we look at and  
2 it's important.

3 So it's hard to answer that. In  
4 terms of will you get weighted more? Likely  
5 not. But I think with the amount of comments  
6 we get and some of the future use, and things  
7 like that, it's something that we'll take into  
8 consideration as we move forward.

9 MR. FRANK: Thank you.

10 MR. LYTHCOTT: If you would  
11 introduce yourself and tell us who you  
12 represent, if you represent anybody, before  
13 you speak. So we're up to Number 3.

14 MS. POPE: Number 3.

15 MR. LYTHCOTT: Does anybody have  
16 3?

17 (No response.)

18 MS. POPE: Number 4.

19 MR. LYTHCOTT: Yes.

20 REMONSTRATOR: You said it could  
21 be residential. How far do you have to dig  
22 for residential?

23 MR. ALCAMO: We view, based on  
24 exposure of these types of sites, that  
25 cleaning up to 2 feet for residential is

1 acceptable from a risk standpoint. Therefore,  
2 that's what we do across the country on many,  
3 many of these types of sites. So that is a  
4 protective remedy. But in terms of if someone  
5 is going to dig deeper to, let's say, put  
6 footings, or something like that, in for a  
7 building, or things, there would need to be,  
8 based on institutional control, a soil  
9 management plan to control that material  
10 that's dug out.

11 Let's say, for example, if they  
12 had to dig new electrical lines or sewer  
13 lines, that soil would all have to be managed  
14 appropriately, and we do that at a number of  
15 sites.

16 REMONSTRATOR: Can I ask you  
17 another question? Why don't you clean it  
18 so --

19 MR. LYTHCOTT: Can you talk  
20 louder.

21 REMONSTRATOR: My fault. My  
22 fault. Why don't you just clean it to the  
23 point where they can do whatever they want  
24 with the property. Why deal with this 4B, 4D.  
25 I don't understand. Clean it so they can do

1 what they want with it.

2 MR. ALCAMO: So they can. They  
3 can redevelop this for residential. We view  
4 that from an EPA standpoint to be protective.  
5 So we need to look at various alternatives to  
6 view and compare that to our criteria and then  
7 make a remedy decision based on that. So  
8 that's how we do things in a Superfund  
9 program.

10 REMONSTRATOR: One more and I'll  
11 let you go. I pulled this out of the Amereco  
12 report. Okay?

13 MR. ALCAMO: Okay.

14 REMONSTRATOR: Page 13 of 17.  
15 Lead and arsenic are identified throughout the  
16 site at various depths and concentrations.  
17 The variability of location, depth, and  
18 concentrations indicates that lead and arsenic  
19 are distributed throughout the entirety.

20 MR. ALCAMO: I agree. I even said  
21 that in the presentation. We can't go --

22 REMONSTRATOR: I don't get it.  
23 Okay, that's fine. I don't understand. How  
24 could you read that and not take all the soil  
25 out is beyond me.



1 MR. ALCAMO: Okay. We'll submit  
2 your public comment.

3 MR. LYTHCOTT: Thank you.

4 MS. POPE: Number 5.

5 MR. CRYMES: Yeah. My name is  
6 Devin Crymes. I'm in Zone 2. My concern is  
7 with the groundwater. I'm in Zone 2, and I'm  
8 wondering what your controls are as far as the  
9 groundwater with any of these other -- any of  
10 the other plans?

11 MR. ALCAMO: There is an actual  
12 investigation ongoing right now as we speak.  
13 They've actually put in some new wells, done  
14 some additional sampling. The data is all  
15 getting checked right now to make sure that  
16 it's good laboratory data and it will be  
17 released in the next few months. So this is  
18 kind of, as I mentioned previously, kind of a  
19 phased approach where we're looking at  
20 groundwater, and there could be another remedy  
21 required that deals with groundwater  
22 separately. There would be a whole new  
23 document. So this meeting really has no  
24 bearing on if there's going to be groundwater  
25 treatment in the future. So it's under

1 investigation right now.

2 MR. CRYMES: Okay.

3 MR. LYTHCOTT: Thank you. So,  
4 Tom, if you find actionable levels in the  
5 groundwater, does that mean that you would  
6 then pick a remedy to clean the groundwater?

7 MR. ALCAMO: Yeah, it just depends  
8 on the concentrations we find, and things of  
9 that nature. So right now there is some  
10 groundwater data, but there isn't a lot and  
11 they're trying to fully characterize what the  
12 groundwater is like right now. And then we'll  
13 be talking to individuals in the future about  
14 that, and then if it's justified in terms of  
15 another acceptable risk, then there would be a  
16 groundwater remedy that would be implemented.  
17 And again, the groundwater study isn't just  
18 for Zone 1. It's Zone 2, Zone 3, and it's all  
19 for the general area.

20 MR. LYTHCOTT: Thank you.

21 MS. POPE: Number 6.

22 MR. LYTHCOTT: Right here.

23 MS. DANIELS: My name is Akesha  
24 (phonetic) Daniels. I'm a life-long resident  
25 here. How much more information do you really

1 need to know that we need this 4D? How  
2 much -- how many more deaths, how many more  
3 chemicals are you going to have to find, how  
4 many more people, children, are going to keep  
5 being poisoned for you all to come to just a  
6 decision that 4D is what's best, regardless of  
7 the money issue that you're saying that the  
8 cost will be? How many more of us are going  
9 to die before you decide what's best?

10 Because you all have known about  
11 this for, what, 40 years? I'm 42. So how  
12 much longer is it going to take? Is it going  
13 to take me dying? Is it going to take some of  
14 us other people in this room losing more  
15 family members? 4D is the best decision. You  
16 all shouldn't keep playing with our lives like  
17 this. We attend these meetings. We come in  
18 here, and I'm pissed off. I'm really highly  
19 pissed off that you would just bring a 4B or  
20 4C and then telling me about the cost of it  
21 when people are dying and those chemicals are  
22 set out there in West Calumet Zones 1, 2, and  
23 3 for over 40 years.

24 MR. ALCAMO: I think since 2016, I  
25 think we've made a lot of progress with

1           respect to Zones 2 and 3. I think we've done  
2           some enforcement actions to try to get the  
3           company to pay for this. And so I think we've  
4           made a lot of progress in Zones 2 and 3 to get  
5           this done, to get the risk out of the  
6           community.

7                        MS. DANIELS: But how many people  
8           have died with you making those choices back  
9           to 2016? Have you all did a study to see how  
10          many people have died from heart disease,  
11          cancer, brain tumors? Have you all done the  
12          research? This shouldn't take this much  
13          longer. I'm tired of waiting for you all to  
14          play cat and mouse while we waiting for money  
15          for this. When they first made the decision,  
16          who got paid? Who kept the money? Where did  
17          it go? How much of that money helped the  
18          people in the community or did it just pocket  
19          the city? That's what I would like to know,  
20          because the way I'm seeing it, no money was  
21          put back into the areas that are highly  
22          affected, but it's around everywhere else.

23                      MR. LYTHCOTT: Thank you.

24                      MR. ALCAMO: So I think we have to  
25          look at different alternatives. I know where

1           you're coming from. I think we are trying to  
2           make a huge effort to try to fix this. And I  
3           think since 2016 -- and I've been doing this  
4           job for 30 years and I think it's been all  
5           hands on deck. I know you view that it's not  
6           been fast enough, but I can tell you we have  
7           tried to accelerate this as much as possible,  
8           and that's the truth. And I think we've got  
9           the PRPs or the companies on the line to pay  
10          for this. We've done a lot of negotiation  
11          with them. And so the same with Zone 2 -- or  
12          Zone 1 is, we're going to end up negotiating,  
13          whatever remedy we choose, to get them on the  
14          hook because we want the polluter to pay. So  
15          I can't talk about the health effects. I  
16          think that's something you need to talk to  
17          Mark Jackson. He's the --

18                        MS. DANIELS: He's never  
19          available. I've been waiting on three years  
20          to get my son to Mayo Clinic and nothing is  
21          happening with him. I wish he was here  
22          tonight.

23                        MR. ALCAMO: We can certainly tell  
24          him you'd like to talk to him.

25                        MS. DANIELS: Okay. He knows me.

1 MR. LYTHCOTT: Thank you.

2 MS. POPE: Number 7.

3 MR. EMERSON: Hi. Bill Emerson,  
4 Lake County Surveyor. This is for questions,  
5 not for public comment. I think you  
6 overstepped --

7 MR. LYTHCOTT: Can you put the  
8 mike closer?

9 MR. EMERSON: Can everybody hear  
10 me?

11 MR. ALCAMO: Yeah, yeah.

12 MR. EMERSON: I guess the overall  
13 point I had is, aren't some of these decisions  
14 kind of contingent on the groundwater study?  
15 I mean, I feel like it's hard to make a  
16 decision on how much -- are the remedies going  
17 to change based on the groundwater study?

18 MR. ALCAMO: No, no. And  
19 actually, this is how it's normally done in  
20 most Superfund sites, because groundwater  
21 studies take a lot longer. If we had started  
22 a groundwater study in 2016, we wouldn't have  
23 had any of this work done today. So it's  
24 pretty common for us to deal with the  
25 contaminants in the soil before we get to

1 groundwater, in most instances, under the  
2 Superfund. We looked at the current  
3 groundwater data that we have in Zone 1  
4 specifically and the concentrations are fairly  
5 low.

6 There's four groundwater samples  
7 in the shallow zone. We don't see this huge  
8 groundwater problem. Now, obviously, the  
9 groundwater study may change that and if there  
10 is an unacceptable risk, there would be some  
11 type of groundwater pump and treat system that  
12 would be implemented to deal with that risk so  
13 it would depress the groundwater. So in any  
14 case, this is very common in how we do  
15 Superfund site because we want to deal with  
16 the soils first and get the stuff out of the  
17 community.

18 MR. EMERSON: Okay. And so how do  
19 you determine -- I mean, this is right next to  
20 the canal.

21 MR. ALCAMO: Right.

22 MR. EMERSON: You know, how are  
23 you addressing that or determining how much is  
24 seeping into the canal?

25 MR. ALCAMO: There will be

1           sampling taken along that canal. There has  
2           been in the past. There's also work that's  
3           being done at the former USS Lead site.  
4           Particularly in those wetlands I think it's  
5           shown some unacceptable levels, and so there's  
6           that study going on, that they're looking at  
7           the canal over there. So there's a whole  
8           series of groundwater studies that are  
9           underway that will be happening in the next  
10          year or so.

11                       MR. EMERSON: And finally, for me  
12           right now, you mentioned that some of the  
13           debris would have to be encapsulated in  
14           concrete.

15                       MR. ALCAMO: No, it would be  
16           actually the soils we will excavate prior to  
17           disposing of them in a landfill. There are  
18           high enough concentrations that we do  
19           something called stabilization, which is  
20           essentially encapsulating those soils, and so  
21           when you dump it in a landfill, it doesn't  
22           leach within the landfill. So it reduces the  
23           mobility of the contaminants.

24                       MR. EMERSON: So would it be a  
25           high enough level to go to a hazardous waste?



1 MR. ALCAMO: It could. It could.

2 It could, yes. And there's US Ecology in  
3 Michigan that they've taken some material to.

4 MR. EMERSON: Okay. All right.

5 That's enough for me, I think.

6 MR. LYTHCOTT: Thank you.

7 MR. ALCAMO: Feel free to submit a  
8 public comment too.

9 MR. EMERSON: I will. Thank you.

10 MS. POPE: Number 8.

11 MS. CHIZENEK: Debbie Chizenek,  
12 Northwestern Law School Environmental Advocacy  
13 Clinic on behalf of the East Chicago Calumet  
14 Coalition Committee Advisory Group. I have  
15 two questions relating to Carrie Gosch, but  
16 before I ask them, I am confused, Tom. This  
17 is the second meeting where when you talk  
18 about groundwater, you only mention the lead  
19 results when the Amereco report specifically  
20 says that the arsenic results were at  
21 unacceptable levels.

22 MR. ALCAMO: Right, but -- you're  
23 absolutely correct. I'm mainly focused on  
24 lead because that's everybody -- you are  
25 absolutely correct. Arsenic is high in the

1 groundwater, not at super high levels, but  
2 it's at levels greater than the drinking water  
3 standard.

4 MS. CHIZENEK: Okay. And then on  
5 Carrie Gosch, you said two things. One, you  
6 said that they already made an agreement for  
7 cleanup. Can you tell us more about that and  
8 is it a published agreement or --

9 MR. ALCAMO: I'm not dealing with  
10 that directly, so I don't know. But the  
11 agreement is based upon a sampling that was  
12 done in the design phase, where there's an  
13 area that is going to be excavated from 18 to  
14 24 inches, and that has been on schedule. I  
15 know -- I'm not dealing with that, so I can't  
16 talk specifically.

17 MS. ZANDER: I can talk about it.

18 MR. ALCAMO: Very good.

19 MS. ZANDER: Hi, everybody.

20 Rachel Zander. I'm the site attorney with EPA  
21 and I work with Tom. And I can tell you that  
22 when we say Carrie Gosch is covered by a  
23 settlement, it's covered under the existing  
24 2014 consent decree, and so that's the consent  
25 decree that covered the housing complex and

1 set out the remedy that needs to be changed  
2 here. And so what Tom's point was earlier is  
3 that Carrie Gosch was already covered by a  
4 settlement agreement and nothing at the  
5 footprint of Carrie Gosch has changed  
6 significantly like it has for the housing  
7 complex, where there's been demolition. So  
8 the footprint of Carrie Gosch is the same. We  
9 can use the same settlement and remedy that  
10 already exists there.

11 MS. CHIZENEK: So, Tom, just now  
12 you said in the design phase. So when was the  
13 last time Carrie Gosch was sampled? Was it  
14 sampled in 2015, '16, or the last time was  
15 2010, because that's --

16 MR. ALCAMO: No, no, it was  
17 sampled during that design phase for the  
18 housing complex and it was like '14, '15, '16.  
19 I can get you the dates, but somewhere around  
20 that time frame. One of the things we did do  
21 also was we looked -- and you can go on the  
22 web viewer and look at Carrie Gosch, and  
23 see --

24 MS. CHIZENEK: That's why I'm  
25 wondering, because when you go on the web

1 viewer and click on the Carrie Gosch area, it  
2 says all the results are from 2010.

3 MR. ALCAMO: I'll check. I wasn't  
4 involved in that, but I'll check. But there  
5 was a design that was completed based upon --  
6 most of the design for Zone 1 was complete.  
7 Just prior to the shutting of the complex, you  
8 know, EPA was getting ready and up to speed to  
9 basically do that excavation. So there is a  
10 series of design documents for all the houses,  
11 most all of them, and part of that was Carrie  
12 Gosch. I'd have to go back and look at the  
13 data.

14 But one of the things that we did  
15 do is we looked at the web viewer and some of  
16 the aerial photographs from Carrie Gosch, and  
17 there was no building during the actual  
18 operations of the lead smelter, okay, based on  
19 aerials we evaluated. So we think that the  
20 sampling that was done at Carrie Gosch was  
21 appropriate. And I'm -- as I said, I'll go  
22 back, but I'm almost positive that it was done  
23 at a later date, but I'll get back to you on  
24 that.

25 MS. CHIZENEK: That would be

1 helpful. But also I would say that -- and  
2 this is my last thing, I would say that the  
3 conditions at Carrie Gosch have necessarily  
4 changed because right next door you've had a  
5 demolition which raised all sorts of dust and  
6 that probably got deposited on Carrie Gosch.

7 MR. ALCAMO: I would disagree with  
8 you on that, and certainly there's air data  
9 that demonstrates that. You'll have to get  
10 that from the city. I had full-time oversight  
11 on that demolition. We took that demolition  
12 very seriously, and EPA didn't get paid. The  
13 PRPs did not pay us for that. We did that on  
14 our own because of the concerns of the  
15 community. We wanted and I had a full-time  
16 person on there walking the site, looking at  
17 the air monitoring data, looking at the  
18 monitors, because we had air monitors  
19 surrounding the demolition, and they were  
20 set -- the dust levels were set at a very low  
21 level and as soon as the monitor went off, we  
22 went and investigated that. Okay?

23 Because the fact is, is do  
24 additional engineering controls need to be put  
25 in place. And there are sampling data at

1           those monitors that you can get from the city.  
2           We evaluated that data and didn't find it an  
3           issue. So to say that it spread around from  
4           there, you know, we took it seriously. We  
5           really did. That's the last thing we want to  
6           do is do a cleanup and spread it over the  
7           community.

8                       MS. POPE: Number 9.

9                       MR. BERTNER: Joshua Bertner,  
10           (phonetic) also from Northwestern,  
11           representing the CAG. My question is about  
12           the consistency that you're talking about with  
13           4B being consistent at Zone 1, along with 2  
14           and 3, and consistent with other things across  
15           the country. I was wondering, obviously,  
16           there's different reasons with the Zones 2 and  
17           3 that you could not go all the way down to  
18           native sand, or seemingly be very difficult.  
19           Could you point me to some sites across the  
20           country where there's vacant land that has  
21           been returned to residential use with only --

22                      MR. ALCAMO: I can't say, but I  
23           know a number of sites. I can even list you  
24           Tar Lake, El Paso Meadows in Texas,  
25           Agriculture Street landfill in Louisiana,

1 Blackwell Zinc in Oklahoma, National Zinc in  
2 Oklahoma. We can certainly get you those  
3 sites where actually they don't go to 2 feet  
4 for a residential area, and so most of them  
5 are going to a foot to 18 inches, and that's  
6 what we investigated across the country. Now,  
7 there are some exceptions, but most of the  
8 sites that we looked at go basically shallower  
9 than 2 feet. And so we'll get you that list,  
10 if you want to be able to investigate those  
11 yourself.

12 MR. BERTNER: Yeah, thank you.

13 MR. LYTHCOTT: Thank you.

14 MS. POPE: Number 10.

15 MR. BROWDER: My name is Joseph  
16 Browder, life-long resident of Calumet, also  
17 candidate for 3rd District because we need a  
18 change. My question is, you made a statement  
19 earlier that the mayor made a statement that's  
20 saying this is going to be residential. So  
21 your guys' hands are tied up for any type of  
22 cleanup as of right now. How long of a time  
23 frame do we have to wait until we get a  
24 commitment instead of a statement? I know you  
25 probably can't answer that, but it's something

1 I wish you would ask.

2 MR. ALCAMO: Can I give a  
3 hypothetical?

4 MR. BROWDER: Yes.

5 MR. ALCAMO: Okay. So we expect,  
6 hopefully, as we finish evaluating the public  
7 comment period and looking at the comments,  
8 I'm hoping sometime in the summer that we'll  
9 be able to make some final decision. We'll  
10 immediately then, whatever that remedy is --  
11 and we haven't made a final decision yet,  
12 we'll go to the companies and say, okay, we  
13 want to begin negotiations. Okay? It has to  
14 go through a series of legal agreements to get  
15 there. So, you know, it could be a little bit  
16 of time.

17 Obviously, like the DuPont  
18 facility where a developer came in and bought  
19 the place, you know, I would say at the  
20 minimum you're looking at a year after we sign  
21 the decision, because there is a whole legal  
22 process. Now, we want the polluter to pay.  
23 Okay? That's kind of our goal, and we'll  
24 ensure over time that the site is stabilized  
25 until we do get an agreement. But, honestly,



1 I'm guessing a year. I mean, you know, I'm an  
2 optimistic guy, but, you know, that's kind of  
3 what I'm thinking right now.

4 MR. BROWDER: Also, which plan, if  
5 it is residential, will be the best for a  
6 long-term residential, not just a four or  
7 five-year residential?

8 MR. ALCAMO: We view 4B, if the  
9 appropriate institutional controls such as  
10 visible barriers, maintenance. We evaluate a  
11 remedy every five years. We view that 4B is  
12 the best balance of our criteria.

13 MR. BROWDER: Last question, why  
14 are we even considering a commercial area in  
15 an area where there is on 151st and Railroad  
16 Avenue a place that says, Industrial Park  
17 Built to Suit? So why are we even considering  
18 trying to build an industrial area in the West  
19 Calumet Complex?

20 MR. ALCAMO: Well, I can say,  
21 based on some of the public comments -- and as  
22 I said, we'll get those comments on the  
23 website. We'll have to redact some of the  
24 information. But there are a number of  
25 developers who are interested in the property.

1 Now what will happen -- and EPA has nothing to  
2 do with that. I can just tell you what we  
3 received.

4 MR. BROWDER: It's right across  
5 the bridge, right across the water, it says,  
6 Industrial Park Built to Suit. Why are you  
7 even considering building on this area when  
8 right across the street it's --

9 MR. ALCAMO: I don't know.

10 MR. BROWDER: (Inaudible).

11 MR. ALCAMO: Is Carla here?

12 MS. MORGAN: I'm here.

13 MR. LYTHCOTT: Please introduce  
14 yourself and --

15 MS. MORGAN: Carla Morgan. I'm  
16 the city -- I'm the attorney for the city.  
17 And so, Joe, your question is why are we even  
18 considering that when there's other industrial  
19 across the way?

20 MR. BROWDER: Yes.

21 MS. MORGAN: Well, again, the  
22 mayor wants that area, the footprint of West  
23 Calumet to remain residential. The mayor felt  
24 obligated to pass on to the EPA the  
25 information that developers were interested.

1 And so to have any sort of development, you  
2 have to have developers who are going to  
3 build, and so he felt that he was obligated,  
4 in all fairness, to pass that information on  
5 to the EPA. Now what the development there  
6 will end up being is going to depend on  
7 whether the city can get a developer or get  
8 funding to put residential back there.

9 But, you know, what parcels a  
10 developer is interested in when there is, you  
11 know, a facility developed across the street,  
12 you'll have to ask all the developers that.  
13 It's not something the city can really answer.  
14 So there's a lot of current stakeholders,  
15 there's a lot of possible stakeholders, and  
16 you can't know what deals might come together  
17 and what won't come together. So, was that --

18 MR. BROWDER: Yes, thank you.

19 MS. MORGAN: Okay.

20 MR. LYTHCOTT: Thanks.

21 MS. POPE: Number 11.

22 MS. MORGAN: I'm actually  
23 Number 11.

24 MR. ALCAMO: Good timing.

25 MS. MORGAN: So my question is

1 about, you know, the city prefers 4D, which is  
2 the cleanup to native sand, but the Indiana  
3 Residential Building Code, which I won't bore  
4 everybody with the code cite, requires in Lake  
5 County a minimum of 36 inches of foundation to  
6 build residential. So I don't know, Tom, how  
7 much you can address the degree to which the  
8 EPA factors in that you -- the EPA with the  
9 nationwide standards say 24 inches as a  
10 residential cleanup, but that would preclude  
11 us doing residential development there because  
12 we'd be in violation of Indiana law if we go  
13 to at least a 3-foot foundation. That's even  
14 to just build on slabs.

15 So I know sometimes it's hard to  
16 reconcile different standards, but, again, I'm  
17 pretty sure everyone here who lives in a home,  
18 whatever, you know, their foundation is deeper  
19 than 3 feet. It's probably four, even on a  
20 slab, and then most people have basements,  
21 which, you know, take you a whole another 10  
22 to 12 feet.

23 MR. ALCAMO: Well, I would  
24 recommend that you submit that as a public  
25 comment.

1 MS. MORGAN: It was.

2 MR. ALCAMO: And certainly, even  
3 going to depth, as long as those soils are  
4 managed appropriately and who would pay for  
5 that, and all that -- and that would need to  
6 be determined, but you could still do that. I  
7 mean, I think that going deeper is possible  
8 even with us choosing 4B.

9 MS. MORGAN: And just this is more  
10 of a statement than a question, but, you know,  
11 our experience has been that there is  
12 construction debris in the ground from the way  
13 the site had been bulldozed when the lead  
14 smelting plant left. So, you know, cleanup to  
15 2 feet would leave some known debris in the  
16 ground that we think would also be a barrier  
17 for any sort of development there. So we just  
18 want you to factor that in.

19 MS. ZANDER: Sure. And I'll  
20 reiterate Tom's suggestion to incorporate  
21 these things into a public comment. But let  
22 me just clarify so everyone is super clear on  
23 how a 2-foot remedy would work. It wouldn't  
24 preclude anyone ever digging below 2 feet.  
25 What would happen is, at 2 feet we would

1 install a barrier so that someone casually  
2 digging in their backyard would know something  
3 is up. And then if there was a larger  
4 building project -- like earlier Tom gave the  
5 example of utilities digging deeper than that  
6 or for a home construction project you needed  
7 to go below 2 feet, well, what would happen  
8 is, Tom was referencing institutional  
9 controls.

10 And that's kind of a -- you know,  
11 what does that mean? In this case, it would  
12 mean that someone digging below 2 feet would  
13 have to follow a plan to appropriately manage  
14 the soils below 2 feet because we know that  
15 those soils could be contaminated, that they  
16 were not cleaned up. So you need to follow a  
17 plan to make sure nobody gets exposed when  
18 you're digging below that depth. So it's not  
19 that no one could ever install a 3-foot slab.  
20 It's once we get down to the second to third  
21 foot, we need you to follow a plan.

22 MS. POPE: Number 12.

23 MS. LOPEZ: Right here.

24 MR. LYTHCOTT: We've got about  
25 five or six more minutes for Q and A. I think

1 we have a total of 16 questions. Let's try to  
2 make everything as succinct as possible.

3 MS. LOPEZ: I got you, Michael. I  
4 got you. Every time it comes to me there's  
5 always a time limit.

6 MR. LYTHCOTT: I'm so sorry.

7 MS. LOPEZ: So let's go. My name  
8 is Maritza Lopez. I'm a life-long resident of  
9 East Calumet, but I'm also president of the  
10 CAG. The reason I'm standing up is because at  
11 the meeting on November 29th, your  
12 presentation, I felt very offended, and I'm  
13 going to state that very clearly. Number one,  
14 one of the key guidelines is community  
15 involvement. This presentation on West  
16 Calumet should have been, first of all, an  
17 informative presentation for all the  
18 residents, not a public meeting and not a  
19 public hearing on November 29th. And this  
20 shouldn't be the second one. What you're  
21 giving tonight is an informative meeting.  
22 Where are the residents? And this is the  
23 second public meeting and it took us, the  
24 residents, to push that because you canceled  
25 it for January 10th. Okay?

1 MR. ALCAMO: We were shut down.

2 We planned to be here, but --

3 MS. LOPEZ: No, I understand.

4 Also, you weren't shut down to have the public  
5 comments needed to be submitted by  
6 January 14th too.

7 MR. ALCAMO: But we extended the  
8 comment period to the --

9 MS. LOPEZ: We also had to push  
10 that for comment also. Fair is fair, you  
11 know. So that's what I'm livid about. If you  
12 want community involvement, you've got to  
13 allow the community to be involved, and you're  
14 not giving that information. Now you're  
15 talking about you want the state -- you want  
16 plan 4B and you have the state's okay, but  
17 where is the residents allowed to speak to the  
18 state about the plan that they want, plan 4D,  
19 that they were very vocal about on  
20 November 29th? That's my question.

21 Are you giving them that  
22 information, because you're gathering the  
23 information. Are we seeing that data what  
24 you're submitting to the state that we as a  
25 community and what the municipality is



1 submitting, what everybody else is submitting  
2 what we want is the most protective plan  
3 because we're the ones living here, because  
4 you're using Zones 2 and 3. Honey, Zones 2  
5 and 3 were not cleaned up how you planned,  
6 because if you see the little gift I got here,  
7 that God supplied, which was the same 900  
8 probably, if it gets tested, same 996 parts  
9 per million of lead that came through my house  
10 through seepage. All right?

11 So you got nothing to say, but  
12 you're not dealing with (inaudible) because  
13 you chose, like I was told, the best cleanup  
14 particles or contaminants, which is lead and  
15 arsenic. You're choosing the cost over  
16 people's lives. And with that, I leave you  
17 because I got my comments. Thank you.

18 MR. ALCAMO: We certainly  
19 coordinated with the state, your comment --  
20 your question about the state. They're well  
21 aware of our decision making. We talk to them  
22 frequently. So in regards to us coordinating,  
23 one of the things we do do is work with the  
24 state. So that is, you know, one of our  
25 missions. We always do that for these types

1 of sites. Now, eventually, the state will  
2 write us a letter saying they either concur  
3 with our proposed remedy, they may submit  
4 comments saying they don't, and then we can't  
5 choose a remedy without state concurrence.  
6 But in any case, right now, based verbally,  
7 the state is supporting our recommended  
8 alternative.

9 MS. POPE: Number 12?

10 REMONSTRATOR: Pass.

11 MS. POPE: Number 14?

12 REMONSTRATOR: Right here. You  
13 said that you may change your remedy decision.  
14 Who exactly would make that decision?

15 MR. ALCAMO: I think the upper --  
16 my upper management and also in coordination  
17 with headquarters. Now, initially --

18 REMONSTRATOR: Can you give us  
19 some names of who that is?

20 MR. ALCAMO: We expect to brief  
21 Andrew Wheeler, Thomas Short is the acting  
22 Superfund director of Region 5. So, for  
23 example, initially administrator -- Mr. Groot  
24 (phonetic) was involved in the site. He was  
25 briefed on this site. He is now gone. So I

1 would expect we would at least coordinate it  
2 with the current administrator, Andrew  
3 Wheeler. It's not been decided yet. But in  
4 any case, certainly we will be coordinating a  
5 lot with the upper management of headquarters.  
6 Is that fair?

7 REMONSTRATOR: That's fair. You  
8 said 4D is not consistent with what's been  
9 done with the Superfund site. I find that  
10 really incredible that you would use that as  
11 an excuse not to use 4D, given that you got a  
12 blank slate. You've already admitted, I  
13 think, a waste barrier as deep as 11 feet or  
14 more. Why don't you recognize Amereco's  
15 report that shows vapor intrusion hazards,  
16 that shows PAHs, and shows ongoing releases.  
17 EPA is supposed to take care of ongoing  
18 releases first thing, but you're completely  
19 ignoring that. Why is that?

20 MR. ALCAMO: We're not ignoring  
21 it. That certainly is a big --

22 REMONSTRATOR: But 2 feet is not  
23 going to address something that's buried  
24 deeper and it's leaking PCBs and --

25 MR. LYTHCOTT: Let him finish the

1 answer.

2 MR. ALCAMO: We are not ignoring  
3 that. We certainly looked at the various  
4 alternatives and we view that 4B is the best  
5 balance, so our nine criteria. Now, we've not  
6 made that decision yet. Certainly, submit  
7 your public comments regarding VOCs and things  
8 on the site and the Amereco report. It's not  
9 an issue, really. The either is some  
10 low-level coal tar compounds, but in regards  
11 to the vapor intrusion issue, we don't see  
12 that as an issue.

13 REMONSTRATOR: Well, you haven't  
14 investigated vapor intrusion, have you?

15 MR. ALCAMO: Well, there's nothing  
16 to investigate with respect to a blank  
17 property. And not only that, the main  
18 contaminants of concern are lead and arsenic,  
19 which don't vapor intrude.

20 REMONSTRATOR: Well, I have a  
21 picture right here of EPA's, done in a  
22 presentation earlier, where they show the  
23 Anaconda site under -- where you're standing;  
24 okay?

25 MR. ALCAMO: Uh-huh.

1                   REMONSTRATOR: So if there's vapor  
2 intrusion hazards over there identified by  
3 Amereco, what makes you think there's nothing  
4 here since no one has bothered to look?

5                   MR. ALCAMO: Well, I think there  
6 is a lot of sampling and we have bothered to  
7 look. I think we've looked at the sampling  
8 data from the --

9                   REMONSTRATOR: For PAHs here?

10                  MR. ALCAMO: There is low levels  
11 of PAH, but not at an unacceptable risk that's  
12 going to produce vapor intrusion.

13                  REMONSTRATOR: So where can we get  
14 the data for sampling for PAHs here on this  
15 property?

16                  MR. ALCAMO: In the Amereco report  
17 and also in NRI.

18                  REMONSTRATOR: Amereco did not do  
19 Carrie Gosch school. They did the --

20                  MR. ALCAMO: No, I thought you  
21 were doing Zone 1.

22                  REMONSTRATOR: This is Zone 1.

23                  MR. ALCAMO: I thought the housing  
24 complex. I didn't realize you moved to Carrie  
25 Gosch.

1                   REMONSTRATOR: No. I said your  
2 own diagrams, your own pictures show Anaconda  
3 Lead Products plant underneath here, the  
4 footprint --

5                   MR. ALCAMO: No, no.

6                   REMONSTRATOR: I have them right  
7 here. Don't say no. I have it printed out.

8                   MR. LYTHCOTT: Please, please,  
9 let's try to have a --

10                  REMONSTRATOR: Why haven't you  
11 investigated a vapor hazard here?

12                  MR. ALCAMO: I would submit your  
13 comments and we'll take a look at that. Okay?

14                  REMONSTRATOR: Okay. Thank you.

15                  MS. POPE: Number 15.

16                  MS. OLIVER: My name is Sheryl  
17 Oliver, resident in Zone 2, and I stand here  
18 representing a lot of the people -- I see a  
19 lot of people that probably do not reside in  
20 Calumet in Zone 1, 2, and 3. But being a  
21 person that lives here, it's very confusing.  
22 I'm very concerned and somewhat alarmed about  
23 what I'm hearing. I was blessed just recently  
24 to be able to get away for a well-earned break  
25 for about month and heard all kind of things

1 about the dumping put over in West Calumet,  
2 only to come back to find out that all of a  
3 sudden there's been a change now, I  
4 understand, from industrial to housing.

5 So what is the actual plan and why  
6 all of a sudden after reading The Times the  
7 mayor has changed his plan from being -- from  
8 it being industrial to now it being  
9 residential? And I happen to -- and I always  
10 read the little handout that I get from the  
11 water department, and I happen to find two  
12 lines in there, thank God, that finally  
13 addressed something that was happening in  
14 Calumet. It says that on McCook and  
15 Alexander, there's plans to put townhouses and  
16 homes over there. So there's a lot of  
17 confusion.

18 MR. LYTHCOTT: So the question is,  
19 why does it keep changing?

20 MS. OLIVER: What is happening?  
21 Why does it keep changing? And also one thing  
22 also for Zone 1 in particular, and I can doing  
23 anything for the ones in Zone 2, about  
24 reconstructing their homes, their lives, kind  
25 if they wanted to come back to that area that

1 I think they should be afforded that. But  
2 they're finding, since now those houses have  
3 been removed, I read somewhere, that now  
4 there's --

5 MR. LYTHCOTT: Can I ask you to  
6 hold your comment for the comment period?  
7 We're already into the comment period.

8 MR. ALCAMO: You know what I think  
9 we should do, if we can get you a copy -- I  
10 think we're going to put it online, of the  
11 city letter we got from the mayor. I think  
12 that would help you more frame what the city  
13 is thinking.

14 MS. OLIVER: I have the  
15 September 10th letter, but that's old now.

16 MR. ALCAMO: No, there is a recent  
17 one that -- I don't know, Carla, do you have  
18 an extra copy? We'll get it online. Do you  
19 check the web page?

20 MS. OLIVER: No, I don't.

21 MR. ALCAMO: Let me get your name  
22 and your E-mail address and we'll get you a  
23 copy.

24 (Inaudible; talking in unison.)

25 MS. OLIVER: Can I finish my



1 question?

2 MR. LYTHCOTT: This is a partial  
3 answer for the letter. My understanding is  
4 you can download that letter off the East  
5 Chicago TV web page.

6 MS. OLIVER: Can I ask my question  
7 to you directly? Is there any truth to the  
8 fact that there are contaminants now that are  
9 being emitted, now that the houses have been  
10 removed, that now there is -- the houses no  
11 longer there, there's contaminants now that we  
12 have to be concerned about that are still in  
13 Zones 2 and 3?

14 MR. ALCAMO: No, because  
15 essentially the monitoring that was done at  
16 the end of the demolition did not show that to  
17 be an issue and the site is currently  
18 stabilized. There's growth on it or it's  
19 covered. We're certainly going to keep on top  
20 of that next year. If you remember, back in  
21 2016, EPA came and put woodchips and things in  
22 the housing complex where it was bare. That's  
23 where there could be a possibility of some  
24 releases and we're going to stay on top of  
25 that. Certainly, Tia Cauley has kept on top

1 of that in regards to the former housing  
2 complex area. So, right now we don't think  
3 that's an issue.

4 MS. POPE: 16.

5 MR. SURDOKA: Thank you very much.  
6 My name is George Surdoka. Most of the people  
7 here know me. If you don't, my condolences.  
8 In any case, my question deals with this site.  
9 It was removed from the Superfund map. Why?

10 MR. ALCAMO: It's not been. It's  
11 part of the Superfund site. It's not been  
12 removed from any map. I don't know what map  
13 you're referring to.

14 MR. SURDOKA: It was from the last  
15 meeting showing it cut out.

16 MR. ALCAMO: You mean Carrie  
17 Gosch? As we said previously, that is being  
18 addressed under a separate agreement.  
19 Therefore, it doesn't need to be part of this  
20 agreement because nothing changed there.

21 MR. SURDOKA: Okay.

22 MR. ALCAMO: Go ahead. Go ahead.

23 MS. ZANDER: And, George, maybe I  
24 can elaborate a little bit. So we're here  
25 tonight because something -- because when we

1 chose the remedy for the housing complex,  
2 there were houses there and we're here now  
3 because of the demolition and there's a change  
4 in the landscape of that property. Let me  
5 just finish my thought. We also had a remedy  
6 chosen for the Carrie Gosch area, just like we  
7 had one for Zone 2 and Zone 3. Those are all  
8 still in place because the landscape of those  
9 properties hasn't changed in a way that has  
10 caused us to reevaluate our remedy. So we've  
11 got plans for Carrie Gosch. Those are the  
12 plans that have kind of been ready to go for  
13 some time now. And now that Carrie Gosch is  
14 inhabited again, we're kind of gearing up to  
15 take action on those plans.

16 MR. SURDOKA: But that's what's  
17 bothering me. Why is this site being allowed  
18 to be reinhabited? It is still a toxic site.  
19 Number two, it sits on what used to be a  
20 smelter. If anybody thinks that the  
21 pollutants are limited to a 2-foot depth, I  
22 think they're sadly mistaken. The other part  
23 of the problem is, was the material that the  
24 smelter consisted of -- meaning, you know,  
25 real property, et cetera, was that stuff

1 completely removed? I don't think so. And  
2 since it was not, it's still a hazard,  
3 which --

4 MR. LYTHCOTT: Well, let's find  
5 out if it has or it has not first.

6 MS. ZANDER: And I will say --  
7 and, George, I know you've got a lot to say  
8 and we have limited time here. So I'm going  
9 to encourage you to submit a public comment,  
10 certainly. But let me just say the short  
11 answer is that the way that EPA works with the  
12 Superfund program, we don't believe that all  
13 waste or contamination down to the center of  
14 the earth needs to be removed for properties  
15 to be used or lived on or have businesses  
16 built on. We believe that we can manage that  
17 risk in other ways. So that's why we believe  
18 and that it's our position that remedying that  
19 dig to 2 feet are protective for certain uses.

20 MR. LYTHCOTT: I think his  
21 question was, did anybody oversee the  
22 demolition of the Anaconda site so that it  
23 happened in a way that fit the laws and  
24 regulations?

25 MS. ZANDER: I'm unaware.

1 (Inaudible Remonstrator.)

2 MR. LYTHCOTT: What year was it  
3 demolished?

4 REMONSTRATOR: It was demolished  
5 in 1958.

6 MS. ZANDER: That predates EPA.

7 MR. LYTHCOTT: Okay, that's the  
8 answer.

9 MR. SURDOKA: You are still the  
10 Environmental Protection Agency, regardless of  
11 what laws were in place at the time it was  
12 demolished, and you're supposed to be  
13 protecting the lives, property, and health of  
14 the citizens in this region. So until you can  
15 show me that there is no hazard here, I will  
16 object to that redistricting, or whatever you  
17 want to call it.

18 MS. ZANDER: Okay. And I'll say,  
19 again, we welcome all this in public comments  
20 and we hope that we can, through our  
21 responsive summary of comments, explain to you  
22 why the remedy that is ultimately chosen is  
23 protective. I think now, unless we have  
24 additional questions --

25 MS. POPE: We've got two more.

1 MS. ZANDER: Okay.

2 MS. POPE: Number 17.

3 MR. DONKLE: Thank you. My name  
4 is Lou Donkle. I'm a Northwest Indiana  
5 resident, but not locally here, but just  
6 interested in, you know, the best job possible  
7 for the local community as to what's going to  
8 get it done. So I've got some science and  
9 mechanism questions about your data and the  
10 project. So your little data showing the  
11 results of sampling for arsenic and lead, they  
12 get higher concentrations the farther down you  
13 go and I didn't -- the fine print at the  
14 bottom, I think it says it gets even higher  
15 concentrations below your 30-inch sampling.

16 MR. ALCAMO: No, no, actually we  
17 do have some data at 4 feet and -- between  
18 4 feet and 12 feet that's very well-limited.  
19 I think you have to remember too that most of  
20 the data that was taken there was in the top  
21 24 inches. There's the 24 to 30. There's 100  
22 and some plus samples, so there's a lot more.  
23 So we have a better handle in regards to  
24 what's at that between ground surface and  
25 2 feet. Okay?

1                   So you're absolutely correct.  
2                   There is contamination at depth. We think  
3                   through excavation and then managing the  
4                   material at depth through institutional  
5                   controls such as visible barriers and  
6                   maintenance, and things like that, that we can  
7                   redevelop this -- or it can be redeveloped to  
8                   residential. Now, feel free to submit your  
9                   comments. We'll take a look at all that and I  
10                  think it's something we'll look for in the  
11                  public comment period.

12                 MR. DONKLE: So what's the  
13                 mechanism that causes the concentration to get  
14                 higher as you go down? Is it rainwater and  
15                 things wash down or is it getting buried  
16                 deeper and --

17                 MR. ALCAMO: I think part is the  
18                 fill they brought in in the top part of the  
19                 site has been more disturbed and it's probably  
20                 less contaminated at the surface because of  
21                 that, because there was clean soils brought in  
22                 that were mixed in with that.

23                 MR. DONKLE: As new projects came  
24                 on top of the old ones?

25                 MR. ALCAMO: The complex was

1 built, what, in the '70s, early '70s, so that  
2 would be my guess, but I don't have a  
3 scientific explanation.

4 MR. DONKLE: So it's not  
5 necessarily rainwater washing it down deeper.

6 MR. ALCAMO: Lead doesn't move  
7 very well in the environment. So we view it  
8 as lead is fairly stable and that's why we're  
9 not seeing these huge concentrations in  
10 groundwater in the shallow zone.

11 MR. DONKLE: What about arsenic?

12 MR. ALCAMO: Arsenic, but not huge  
13 concentrations.

14 MR. DONKLE: You said 26 is safe,  
15 and we're, you know, 46 to 70.

16 MR. ALCAMO: Right.

17 MR. DONKLE: So that's not huge.  
18 That's just over the legal -- over the safe  
19 limit?

20 MR. ALCAMO: That's soil data.  
21 That's not groundwater data.

22 MR. DONKLE: Oh, groundwater,  
23 okay.

24 MR. ALCAMO: That's soil data, not  
25 groundwater.



1 MR. DONKLE: Okay. So restate  
2 your statement again?

3 UNIDENTIFIED SPEAKER: When you  
4 said not huge levels, you meant in  
5 groundwater.

6 MR. ALCAMO: Yeah, in groundwater.  
7 There's not huge levels in groundwater.

8 MR. DONKLE: Groundwater, okay.  
9 But there are in the soil.

10 MR. ALCAMO: In the soil,  
11 certainly, but --

12 MR. DONKLE: I mean, what just  
13 kind of seems obvious to me, if the mechanism  
14 is rainwater getting -- washing these things  
15 down, which I'm apparently wrong on that  
16 that's why I was asking the question, why is  
17 it more concentrated deeper if it was -- I'm  
18 thinking if it's rainwater, then, obviously,  
19 you know, the rainwater goes all the way to  
20 groundwater, obviously, and it just get worse  
21 and worse the more you go down.

22 MR. ALCAMO: But that isn't what's  
23 shown in the data when you look at the data  
24 between 4 and 12 feet. And it's limited.  
25 It's not -- there's not a lot of it. It

1 doesn't demonstrate that.

2 MR. DONKLE: Okay.

3 MR. LYTHCOTT: Thank you. I think  
4 we have to move on.

5 MS. POPE: Number 18. She was  
6 Number 3, because she was probably out there  
7 running her mouth. We're going to let her go  
8 ahead and put her question in. So after 18,  
9 then we're going to do Number 3.

10 MR. LYTHCOTT: Okay, sir.

11 MR. MOORE: My name is Ellis  
12 Moore. I'm a student at Purdue University  
13 Northwest. And I was just wondering has the  
14 EPA tried to employ bio remediation type  
15 things as a plausible method to treat  
16 contaminated soil? Although excavation of the  
17 soil and groundwater studies at the 2 feet are  
18 offering remedies, how do we ensure that the  
19 soil contamination does not become another  
20 person's problem? However, while innervation  
21 takes time to develop sustainable solutions,  
22 money to offer the appropriate resources, and  
23 deeper understanding of the problem, isn't it  
24 worth it?

25 MR. ALCAMO: I think we have not

1 looked at bio remediation because it's usually  
2 not that effective with respect to metals, but  
3 I can say that we looked pretty in-depth at  
4 separation technologies. Certainly, we looked  
5 at soil washings to try to -- and certainly,  
6 Larry Davis here is a big proponent of that.

7 MR. DAVIS: No, I'm not.

8 MR. ALCAMO: Well, separation  
9 technology.

10 (Inaudible; talking in unison.)

11 MR. ALCAMO: In any case, we  
12 looked at separation technologies and didn't  
13 find them viable, much more expensive than  
14 what you would recover from a cost-effective  
15 standpoint. So, you know, our best option  
16 here -- and plus, we want to get this stuff  
17 out of the community as soon as possible. And  
18 so by doing excavation and stabilization of  
19 some of the materials, it's pretty common for  
20 metals concentration in soil to be stabilized.  
21 So that's the approach that we're recommending  
22 here.

23 MR. LYTHCOTT: Was the separation  
24 method evaluated in the same sort of set  
25 criteria as the ones that you showed us?

1 MR. ALCAMO: Yes. We looked at --  
2 there was a whole separate report in the files  
3 regarding separation technology. We didn't  
4 screen it based on nine criteria. We screened  
5 it based on three criteria, which is  
6 implementability, effectiveness, and cost, and  
7 put a lot of time and effort into that,  
8 looking at the ability to try to get the lead  
9 and other material out of the soil, and it  
10 just doesn't make sense cost-effective wise.  
11 Now, it's been done at some sites, for  
12 example, military bases where's there a  
13 shooting range, where there's bullet pellets,  
14 and things of that nature. They've done it  
15 there and done it quite successfully. But  
16 from a standpoint of using separation  
17 technology such as soil washing, we don't view  
18 it as being worthwhile. And certainly, if you  
19 disagree with us, there's certainly reports in  
20 the administrative record and you can comment  
21 on that report.

22 MR. LYTHCOTT: Thank you.

23 MS. POPE: We go to Number 3 here,  
24 Sherry, and that will be our last question and  
25 then we'll go to public comment.

1                   REMONSTRATOR: I ask the same  
2 question I ask all the time, have you found  
3 out what happened to our Moving Forward  
4 Project for Zone 2?

5                   MR. ALCAMO: No.

6                   REMONSTRATOR: I was there when  
7 the governor signed off on it. He said it's  
8 supposed to be used in the hardest hit area of  
9 East Chicago, which is Calumet Zone 2, and I  
10 haven't heard anything.

11                  MR. ALCAMO: I would recommend --  
12 and we have a personal here from IDEM, that he  
13 goes and checks with the governor's office to  
14 essentially see if -- if you could do that,  
15 Doug, and see where that's at. I mean --

16                  REMONSTRATOR: The mayor's  
17 probably using it. That's what I heard.  
18 They're using it over there instead of over  
19 here.

20                  MR. ALCAMO: Okay. Well, I  
21 can't --

22                  REMONSTRATOR: I just thought  
23 maybe you might know.

24                  MR. ALCAMO: I don't, and I'll  
25 certainly follow up with the state to try to

1 find out.

2 REMONSTRATOR: I can show you the  
3 paperwork on it.

4 MR. ALCAMO: I apologize. We  
5 looked initially and no one at EPA knows  
6 anything about it.

7 REMONSTRATOR: At the last meeting  
8 when I mentioned it, you checked it out and  
9 you couldn't find anything?

10 MR. ALCAMO: No, but I didn't talk  
11 to the state specifically. I didn't realize  
12 that --

13 REMONSTRATOR: Well, I'll print  
14 out the paperwork from the guy there in  
15 Chicago. They're over it.

16 MR. ALCAMO: If you would give  
17 that paperwork to Janet --

18 REMONSTRATOR: I'll have it  
19 printed out and give it to you.

20 MR. ALCAMO: Cool.

21 MR. LYTHCOTT: Anybody here from  
22 the state who has any information that could  
23 illuminate? Ma'am.

24 MS. CAULEY: I'm not from the  
25 state, East Chicago Housing Authority. Tia

1 Cauley, executive director of housing. Zone 2  
2 and 3 will be getting property soon with  
3 Moving Forward. We're just waiting to get the  
4 rest of the funds. ECHA, which is the part of  
5 the state, is given funds to help with Moving  
6 Forward. Some will be in the Harbor, and  
7 those are the properties that you're seeing in  
8 Zone 2 and 3 that's going to be a part of East  
9 Chicago, as well as with the city. So you  
10 will see some duplexes and other homes coming  
11 real soon, Ms. Hunter.

12 MR. LYTHCOTT: Thank you. Okay.  
13 So that brings us to our public comment  
14 period, and we have a list of 15 people who  
15 have asked to make public comment here  
16 tonight. There will be allotted five minutes  
17 each for a statement. There will be no back  
18 and forth. These are statements to be entered  
19 into the record by the court reporter.

20 And the first one on the list,  
21 Maritza, you did not get a chance to comment  
22 last time you signed up, so why don't you go  
23 first, start us off.

24 MS. LOPEZ: My name is Maritza  
25 Lopez. I live at [REDACTED], East

1 Calumet, for EPA, known as Zone 3 -- as I  
2 always state, I'm not cattle, so I don't know  
3 like to be numbered -- in East Chicago,  
4 Indiana, 46312, and this is my public comment  
5 regarding this meeting: On November 29, 2018,  
6 EPA's first public meeting on the West Calumet  
7 Housing Complex proposed cleanup plan for  
8 Zone 1, which is West Calumet, we residents,  
9 community supporters, activists, and elected  
10 officials were taken -- shocked, actually,  
11 taken aback. I stand before you as a resident  
12 and also as the CAG president, which is the  
13 East Chicago Calumet Coalition Community  
14 Advisory Group, because -- and I'm also livid  
15 with EPA's representatives believing that you  
16 have our best interests at heart. You have  
17 been stating this all along. If it had not  
18 been for us residents here that live here in  
19 Zones 2 and 3 rising up since September --  
20 since the EPA meeting on September 24, 2016,  
21 EPA's meeting at Riley Park, you take us for  
22 granted thinking that we're not aware of  
23 what's going on. We would not have had the  
24 test -- indoor test pilot program for the lead  
25 and arsenic inside our homes, because yet for



1           you guys, you listed us in the consent decree  
2           as if we were contaminated by airborne lead  
3           and arsenic. But if it had not been for us  
4           pushing it and rising our voices in that  
5           meeting, that test pilot program -- Tom Alcamo  
6           was the one that pushed for that, we were able  
7           to get it and that's how you found that IT'S  
8           contaminated inside our homes. And the  
9           groundwater testing program, we made that  
10          happen, not EPA. So keep that in record --  
11          keep that in mind. What's taking place in  
12          Zones 2 and 3 has been by the voice and the  
13          empowerment of ourselves, us residents, not by  
14          EPA. You have dated back and you're using  
15          what you have from 2010 and 2012. You have  
16          not updated to now, not your testing, and  
17          you're trying to rate Zone 1 cleanup based on  
18          Zones 2 and 3. And Zones 2 and 3, basically,  
19          myself as a resident, that cleanup is a bad  
20          job. That is cutting and cleaning up like  
21          cleaning up Swiss cheese. So I'm letting you  
22          know that publicly, because the indoor  
23          cleanup, we're getting seepage again and it's  
24          coming back in. So you need to go back to the  
25          PRPs. If you're going to ask for money, you

1 need to ask for the full amount and do it  
2 right, not partial, because you're talking  
3 about coming every five years to check for a  
4 review. You've been here since 1985. What  
5 have you been doing since then? Think about  
6 it. While we're contaminated, while people  
7 are dying of cancer -- arsenic causes liver  
8 cancer, stomach cancer, bone cancer. Lead  
9 causes neurological problems, seizures, cardio  
10 problems. Have you set up a medical program?  
11 I could tell you the people I know in my  
12 community that died. I could count them.  
13 Just a week and a half ago someone my age just  
14 died. My age, 55 years old. And I could tell  
15 you from the effects of this because you don't  
16 live here. We have a saying in Spanish  
17 (Speaking Spanish) In other words, eyes that  
18 don't see. Heart that doesn't feel. And  
19 apparently, that's what EPA is. All we are is  
20 a revolving door to you and a number and  
21 you're choosing the PRPs over us. You're  
22 choosing the minimum cost for cleanup. Look  
23 at us as if we are your family members. Yet  
24 you're limiting the contaminants in the area  
25 just to lead and arsenic and ignoring the

1 rest, like the antimonate and everything else  
2 at the DuPont site, at West Calumet Housing  
3 Complex to clean up. And the groundwater,  
4 we're in agreement. I'm in agreement with the  
5 surveyor. If you're going to do it, do it  
6 right. Tom Alcamo is the remedial project  
7 manager at this stage and presentation and his  
8 belief that the proposed cleanup for 4B, which  
9 will remove only 24 inches of soil, would be  
10 applauded by us or thought it would be  
11 applauded by us, but of course, the difference  
12 to 4B, he made it obvious again today. He  
13 keeps pushing 4B. EPA, 4B, and already  
14 agreement with the state, 4B, that we have to  
15 put our comments in, but EPA apparently has  
16 already a plus with the state. 4B is already  
17 backed by the state. What kind of community  
18 involvement do we have? Really? So with that  
19 being said, I'm going to state, as I stated  
20 above, I am a livid resident, as many others  
21 are, and have voiced it openly, as many  
22 community supporters, activists that have come  
23 on our behalf since 2016. It has become very  
24 apparent EPA puts cost over people's lives  
25 first, rather than holding the companies, the

1 PRPs, who have and still are contaminating us,  
2 accountable and liable. The proposed plan 4D  
3 is the most protective plan for us living in  
4 the Superfund site. You are ignoring the  
5 following: EPA is ignoring Amereco's  
6 demolition report, where they have concerns on  
7 the spreading of contaminated groundwater  
8 under Petroleum Tanker Lead company debris  
9 buried underground. The other contaminants  
10 other than lead and arsenic, which Amereco  
11 mentioned, we know there too is cadmium and  
12 PAHs in the soil and groundwater, which will  
13 spread and travel underground, not to mention  
14 the radius, possibly a 10 radius or further,  
15 to it, and the fact that we are a flood plain  
16 and we got a high water table. You haven't  
17 taken into effect the vapors evaporating that  
18 we're inhaling daily due to the contaminants,  
19 toxins, hazardous wastes, toxic metals as they  
20 evaporate into the air and even run off into  
21 the water and groundwater.

22 Two, EPA removed from Zone 1 map  
23 the old Carrie Gosch School section, and we  
24 found this out at the 11-21-2018 meeting. Oh,  
25 I guess our comments doesn't matter there.

1 You threw us out. We had no say-so on that.  
2 You didn't even send us a little card to let  
3 us know that.

4 MR. LYTHCOTT: Maritza, can you  
5 estimate how much more time?

6 MS. LOPEZ: I'd say one more  
7 minute.

8 MR. LYTHCOTT: Okay, go.

9 MS. LOPEZ: The uprising became --  
10 many of us knew that there was still hot spots  
11 that were not addressed and the school was  
12 built on because some portions of the Anaconda  
13 Copper Company were still on here on the  
14 southwest portion. On Friday, 2-8-2019, on  
15 the City of East Chicago Facebook page, the  
16 EPA comments from the City of East Chicago  
17 Mayor Copeland, dated 1-14-2019, were posted.  
18 He too is very clear in support of plan 4D,  
19 and it mentioned in support of the residents,  
20 community of 11-29-2018 meeting.

21 He also lists the nine criteria  
22 EPA must follow in selecting and evaluating  
23 cleanup remediation plans as to why he chooses  
24 EPA to implement Alternative 4D with support  
25 from his plans per criteria: Overall

1 protection of human health and environment,  
2 compliance with applicable and relevant and  
3 appropriate; three, long-term effectiveness  
4 and permanence; four, reduction of toxicity,  
5 mobility, and volume through treatment; five,  
6 short-term effectiveness; six, cost; seven --  
7 I'm sorry, I lost count, state acceptance; and  
8 nine, community acceptance.

9 U.S. EPA has failed to engage  
10 residents through the redevelopment process in  
11 the 2010 guidance in considering reasonable  
12 acceptable land use at the Superfund site.

13 U.S. EPA states the region should elicit  
14 broad, diverse community input as part of the  
15 Superfund cleanup process. It recommended  
16 that U.S. EPA consult with the site  
17 stakeholders community, i.e., local  
18 government, community groups, the site owners,  
19 individuals, state tribes, et cetera, to  
20 obtain input on future use options and to  
21 discuss how particular remedies may affect the  
22 site's future use options.

23 This document encourages U.S. EPA  
24 to elicit input from the community because  
25 early community involvement with a particular

1 focus on the community desired focus uses the  
2 property associated with the surplus sites. I  
3 will tell you I just received this book, and  
4 so far all I know is there's only four of us  
5 that have received it, and I contacted the  
6 community involvement. Every resident in the  
7 Superfund site should receive this community  
8 involvement book and know what the 2018  
9 community involvement plan should be and EPA  
10 pick up the cost, because how can you be  
11 involved if you don't know what's taking  
12 place.

13 MR. LYTHCOTT: Thank you, Maritza.

14 MS. LOPEZ: Thank you.

15 MR. LYTHCOTT: So that was about  
16 double the time. If everybody who signed up  
17 is going to get a chance to speak tonight,  
18 because 9:00 clock is a hard stop for us,  
19 we're going to have to manage our time better.

20 And our next presenter or  
21 commenter is Clamae Bullock.

22 MS. BULLOCK: Good evening. I'm  
23 Clamae Bullock, a member of Calumet Lives  
24 Matter and a life-long resident here in the  
25 Calumet neighborhood. My family has been on

1 the same block, the 47 block of Melville, for  
2 over the past 80 plus years. We've waited 80  
3 plus years to have our voices heard, and I  
4 just want to state that I'm very disappointed  
5 that there still has not been a process put in  
6 place to drown out all of this outside noise.  
7 A majority of the community are not here today  
8 because it is Wednesday. This is Bible study  
9 day for us.

10 So with that being said, we just  
11 want to go on record and say that Calumet  
12 lives matter and the Calumet neighborhood,  
13 which will be the most affected by the  
14 decision, did not request an additional  
15 meeting, although we are not opposed to more  
16 voices being heard. This was requested by  
17 outside interests, whether that be outside  
18 attorneys, neighborhoods outside the Calumet  
19 neighborhood, real estate interests, or  
20 technocrats, or do-gooders from far away. The  
21 Calumet neighborhoods are the ones that are  
22 going to have to live with this decision and  
23 we ask that the EPA to prioritize our voices  
24 and concerns. In the last meeting we spoke  
25 very loud and very clear with an unified voice



1 that we support Alternative 4D, which includes  
2 a full cleanup with institutional controls.  
3 Thank you.

4 MR. LYTHCOTT: Thank you very  
5 much. Our next commenter is Mr. Thomas Frank.

6 MR. FRANK: Hello. Thomas Frank.  
7 I'm also with Calumet Lives Matter. I would  
8 argue that Alternative 4B is actually the  
9 minimum acceptable standard, not the maximum.  
10 And one of the reasons why I would say that is  
11 by putting institutional controls on the land,  
12 you're putting an undue financial burden on an  
13 already disparaging economic community that  
14 has a struggle in attracting development,  
15 especially housing. East Chicago is a  
16 community where 80 percent of the land is  
17 dedicated to heavy, no good, very dirty  
18 industry. We have extraordinary issues with  
19 cumulative effects. We don't have buffers  
20 between neighborhoods and industry.

21 And so in the last two decades  
22 we've seen three neighborhoods cannibalized by  
23 industrial uses that have had to be torn down  
24 like West Calumet. We're seeing our historic  
25 district being destroyed right now by BP. I

1 think right now the idea is that we need to  
2 bring land to a -- with the development. The  
3 idea is we need to make that land development  
4 ready for developers to come in and get what  
5 they need done, and that is for housing. And  
6 I'll leave it at that.

7 MR. LYTHCOTT: Thank you, Tom.  
8 Our next presenter is Ms. Sherry Hunter.

9 MS. HUNTER: I will decline.

10 MR. LYTHCOTT: Okay, thank you.  
11 Joe Dragovich. Would you come up to the mike,  
12 Joe.

13 MR. DRAGOVICH: Okay. I'm trying  
14 to figure out what you guys are talking about.  
15 You're saying that depth is not a problem.  
16 You're going to put in a barrier. So why  
17 would depth not be a problem if you're going  
18 to put in a barrier? It doesn't seem to make  
19 any sense. Now there's a part two that you  
20 said human contact is reason why you go  
21 2 feet. I know there's a piece of land on  
22 here where the top is clean and the bottom is  
23 dirty and you're going to clean it anyways.  
24 So, so much for that. Every time there's a  
25 question about this cleanup, you always bring

1 up the words managed risk.

2 Now why would you go through this  
3 concept of managed risk. You wouldn't have to  
4 manage risk if you did 4D. You're playing  
5 games with people, basically. You know, you  
6 go too far and you have to manage risk. Why  
7 manage risk if you can just get it over with  
8 with 4D and it's done. And you know the trust  
9 around here is shot. You will tell people  
10 you're going to come back in five years and  
11 monitor it and look at it. It's not here.  
12 It's a joke. We can't trust you people. It's  
13 been broken a long time ago. You're not going  
14 to get it back. It's done with. Let's just  
15 get 4D and stop playing games.

16 You know that -- read this Amereco  
17 report. They got all kind of stuff buried  
18 inside that ground. There's all kind of stuff  
19 down there. It's almost like DuPont. You can  
20 see it right here. I'm not making it up.  
21 I'll read you the report you guys came out  
22 with. Amereco is supposed to be unbiased.  
23 They don't work for government. They're  
24 unbiased. They're saying that there's  
25 petroleum storage tanks down there, rail

1 spurs, PCP-containing equipment and  
2 (inaudible) on, site, historical oil storage  
3 identified on site. They're saying that stuff  
4 is in there.

5 And later on in the report, my  
6 last comment before I lost my page -- this  
7 will be my last part and I will call it a day.  
8 It's on page 15 of 17 of the Amereco report.  
9 The report states that based on historic  
10 sampling and Phase II PSA, there's been a  
11 historical release of petroleum contaminants  
12 and metals on site. That's from Amereco, this  
13 report from Amereco Engineering. So, again, I  
14 don't understand why you just don't clean it  
15 up. Messing around with managing risk,  
16 putting down a barrier, and you're saying that  
17 soil can only be contaminated so long, but  
18 you're going to put a barrier down, and you  
19 tell people that contact -- if you clean a  
20 piece of property where the top is okay but  
21 the bottom is bad, but you're going to clean  
22 it anyways. It's chop suey. Why play games.  
23 Do 4D and get it over with. That you for your  
24 time.

25 MR. LYTHCOTT: Thank you, Joe.

1 Devin Crymes, you're our next -- Devin?

2 (No response.)

3 MR. LYTHCOTT: Okay. We'll stick  
4 a pin for Devin. Bill Emerson.

5 MR. EMERSON: Yes. Bill  
6 Emerson, Jr., Lake County Surveyor. I think  
7 from my perspective we have a hazardous waste  
8 landfill unprotected right now in a  
9 neighborhood next to a major waterway. So I  
10 think we need to treat it that way. I think  
11 4D, there's a \$22 million bump to get to the  
12 4D option. That's a lot of money. And  
13 hopefully Acting Administrator Wheeler reads  
14 this or listens to this and I think everyone  
15 should kind put that in perspective. Our  
16 government last year told corporations they  
17 don't need \$1.5 trillion dollars in taxes with  
18 the tax cut we gave corporations. We're  
19 talking about \$22 million.

20 So, a thousand million is a  
21 billion, a thousand billion is a trillion, and  
22 we just turned away 1.5 trillion from these  
23 corporations. So it's a lot of money, but  
24 this is exactly what our federal government  
25 should be spending the money on, completely

1 cleaning up the site and removing everything,  
2 all the hazardous waste that should be in a  
3 hazardous waste landfill. So that's all I  
4 have to say.

5 MR. LYTHCOTT: Thank you,  
6 Mr. Emerson. Our next commenter is Debbie  
7 Chizenek.

8 MS. CHIZENEK: I'm going to pass.

9 MR. LYTHCOTT: Okay. Do you want  
10 to come back today or pass?

11 MS. CHIZENEK: You can put a pin  
12 in it.

13 MR. LYTHCOTT: Okay. Joseph  
14 Browder.

15 MR. BROWDER: My name is Joseph  
16 Browder. First and foremost, I would like to  
17 thank everyone for coming out and speaking for  
18 Calumet that does not live in Zone 1, 2, and  
19 3. We really appreciate you people coming out  
20 and speaking to us. Trust me, it means a lot  
21 to us. Thank you. We can have all the  
22 meetings we want to have. We can say we're  
23 going to do this. We can say we're going to  
24 do that. Until someone takes control and says  
25 this is what this is going to be or this is

1 what that's going to be, we're stuck.

2 We don't have any -- we can't move  
3 forward the EPA. We can't move forward with  
4 building houses. We can't move forward with  
5 anything until somebody -- stop looking at  
6 who's going to give me the biggest check and  
7 let's just put our lives in front of this, in  
8 front of money. Until then, there's nothing  
9 going to happen. Thank you.

10 MR. LYTHCOTT: Thank you very  
11 much. Carla Morgan.

12 MS. MORGAN: Hello. Carla Morgan,  
13 on behalf of City of East Chicago. These are  
14 comments and these were also submitted as  
15 written comments, but I'm going to read some  
16 of them into the record now, and I'm going to  
17 start in the middle so we can reserve time.  
18 After I was notified in 2016 of the actual  
19 levels of lead and arsenic contamination in  
20 West Calumet, I searched for the best possible  
21 way to protect residents of my city from the  
22 perils of (inaudible) poisoning. After much  
23 research and perspiration, I made a very  
24 difficult decision to recommend in July 2016  
25 the families of West Calumet move out of the

1 neighborhood. I have requested since 2012 the  
2 EPA clean the soils throughout the residential  
3 area in the USS Lead Superfund zone down to  
4 native sand.

5 This cleanup alternative -- this  
6 is cleanup Alternative 4D, which EPA estimates  
7 would cost \$48.8 million to complete. I am  
8 requesting that the EPA chose cleanup  
9 Alternative 4D for Zone 1. In previous  
10 discussions and communications, I've  
11 communicated to the EPA that the minimum the  
12 city would accept is EPA cleaning up every  
13 inch of West Calumet and Goodman Park  
14 according to cleanup Alternative 4B, which is  
15 excavation down to 2 feet and replacement with  
16 clean soil. By this letter and these  
17 comments, I'm clarifying my position by  
18 expressing my strong preference for  
19 Alternative 4D.

20 MR. LYTHCOTT: D David?

21 MS. MORGAN: 4D as in David.

22 Alternative 4D can be implemented through  
23 methods the EPA is already using in Zones 2  
24 and 3, which are the removal of contaminated  
25 soils, quote, chasing contamination to depth



1 and removing any and all contaminated  
2 materials that are found through SRF (sic) and  
3 other testing, and replacement of excavated  
4 soils with clean fill to grade. This  
5 Alternative 4D meets the EPA's Criteria 6.  
6 While the estimated cost of Alternative 4D is  
7 more expensive than short-term, I strongly  
8 believe that Alternative 4D will be cheaper in  
9 the long-term and Alternative 4D provides the  
10 best protection of human health, removing the  
11 need for institutional controls and future  
12 testing and removes various development.

13 Other cost factors that should be  
14 considered includes EPA five-year reviews to  
15 ensure that people continue to be protected  
16 from exposure to contamination, cost to  
17 maintain visual barriers and other barriers  
18 left to prevent excavation below 24 inches,  
19 and cost of other institutional controls. The  
20 cost will also require for property title  
21 transfers which our residents would have to  
22 bear, the risk of exposure that can result  
23 from common residential active such as  
24 planting trees or maintaining residential  
25 gardens, and it greatly increases cost of

1 development.

2 Indiana Resident Building Code,  
3 which is IC 22-13-2-2 -- and I won't read the  
4 entire, I'll be here all day, but it requires  
5 a minimum 36-inch foundation depth to bottom  
6 of footing from top of finished grade. This  
7 cleanup of only 24 inches proposed by the EPA,  
8 referred to as Alternative 4B, would virtually  
9 preclude any future residential development in  
10 Zone 1. I believe that any alternative which  
11 would preclude residential development can  
12 hardly be called a cleanup to residential  
13 standards.

14 In regard to Acceptance, Criteria  
15 9, the community firmly rejected EPA's  
16 preferred Alternative 4B at the public meeting  
17 held November 29, 2018. At this meeting the  
18 overwhelming preference of those community  
19 members who got an opportunity to speak was  
20 for cleanup Alternative 4D, as in David.  
21 Again, I'm going to shorten this a little bit.  
22 But I expressed many of these same sentiments  
23 in 2012 public meetings held by the EPA and  
24 subsequent follow-up meetings held both in my  
25 office, being the mayor's office, and at

1           Region 5 EPA headquarters on Jackson Street in  
2           Chicago.

3                         Please see the attached from 2012,  
4           which is the mayor's public comments at the  
5           time, which reflects my public comments at the  
6           July 2012 EPA meeting held at the East Chicago  
7           Public Library. My hope for the Calumet  
8           community and Calumet neighborhood and Goodman  
9           Park and the footprint of the West Calumet  
10          Complex is there will be new residential  
11          development in addition to jobs to help this  
12          community thrive. EPA has acquired -- I'm  
13          sorry, the city has acquired ownership of  
14          hundreds of dilapidated abandoned properties.

15                        The USS Lead Superfund site  
16          intends to do residential into developments in  
17          existing neighborhoods in Zones 2 and 3 once  
18          these areas have been remediated. There is  
19          strong demand for affordable housing in our  
20          city and limited available buildable lots to  
21          develop diverse and no available green field  
22          land on which to develop. As a result, Zone 1  
23          should continue to be residential and should  
24          be redeveloped as a residential area after the  
25          cleanup is complete. So, that's it.

1 MR. LYTHCOTT: Thank you. Will  
2 you submit that in total?

3 MS. MORGAN: It's been submitted  
4 and, I think he'll probably supplement it.  
5 He's already submitted it to EPA in writing.

6 MR. LYTHCOTT: So the part we  
7 didn't get to hear tonight would be in the  
8 public record.

9 MS. MORGAN: It's already been,  
10 and then we'll probably supplement what's been  
11 submitted by the previous deadline.

12 MS. ZANDER: It will be part of  
13 the batch of the public comments that are --

14 MR. LYTHCOTT: Mike?

15 MS. ZANDER: You're correct that  
16 this letter has been submitted to EPA and will  
17 be part of the batch of public comments that  
18 we have received that will be put on our web  
19 page. So I think the mayor has released it  
20 already to the public, but we will also  
21 include it in the ones we put online.

22 MR. LYTHCOTT: Thank you. The  
23 reason I mention that is so for the rest of  
24 you who -- because it was truncated, can go  
25 online and be able to hear the rest of that.

1 MS. MORGAN: Correct. And if we  
2 supplement, we'll obviously submit it first to  
3 the EPA and then we'll post them so the public  
4 can see those too.

5 MR. LYTHCOTT: Thank you, Carla.  
6 And is your comment as resident or --

7 MS. MORGAN: No, on behalf of the  
8 city.

9 MR. LYTHCOTT: Okay, thank you.

10 MS. MORGAN: Thank you.

11 MR. LYTHCOTT: Our next commenter  
12 is Latoya Long. Latoya?

13 (No response.)

14 MR. LYTHCOTT: Put a pin in that.  
15 Larry Davis. We're doing great on time,  
16 folks.

17 MR. DAVIS: Okay, time out. This  
18 is not my comment, but I want to clear  
19 something up with Tom. Okay. There's been  
20 this misunderstanding about soil washing now  
21 since I submitted comments, based on the fact  
22 that Tom had said there's no treatment  
23 technology that was cheaper than what they're  
24 doing, and soil washing was given as an  
25 example. It wasn't supported. It's not that

1 great of a technology for separating metals  
2 compared to what I have given an example,  
3 which is U.S. Metals. Pure metal separation.  
4 Okay? And that's already been testified about  
5 in written comments submitted at the last  
6 meeting.

7 No one in any of these meetings  
8 has supported 4B, as in boy. Everyone has  
9 spoken in favor of 4D. Institutional controls  
10 are not effective and it's not a permanent  
11 cleanup. So East Chicago, Indiana has a  
12 polluted environment with an established  
13 cancer risk of 310 in 1 million. EPA says one  
14 in a million is acceptable. Region 5  
15 considers this site a high-priority  
16 environmental justice area of concern. USS  
17 Lead Superfund site is the highest rank in  
18 Region 5 under the National Corrective Action  
19 Prioritization System.

20 The West Calumet Housing Complex  
21 in Zone 1 of the Superfund site is where a  
22 toxic crime against humanity took place for 44  
23 years where people of color were knowingly and  
24 deliberately located upon contaminated land  
25 without their knowledge. Over 20 years we

1 have seen a constant pattern of elevated blood  
2 lead levels in young children.

3 On September 12, 1985, IDEM, the  
4 Indiana Department of Environmental  
5 Management, took soil samples that had results  
6 as high as 594,420 parts per million lead; in  
7 other words, contaminated soil that was over  
8 half lead in its composition. Subsequent to  
9 this, an agreed partial interim order was  
10 reached with IDEM and the responsible parties  
11 signed it on December 7th, 1989. And that  
12 agreed order included a plan that would  
13 include a sampling analysis plan for all  
14 contaminated areas to determine the extent,  
15 area, and depth of contamination, and a  
16 cleanup plan that addresses what remedial  
17 action will be performed to ensure the removal  
18 of all contamination, not 400 parts, but all.  
19 So why should the residents of the Calumet  
20 neighborhood get a cleanup that is anything  
21 less than what was agreed to by the  
22 responsible parties 30 years ago?

23 So let's look at the EPA's record  
24 in East Chicago. A 14-acre Corrective Action  
25 Management Unit, called a CAMU, was created as

1 an interim stabilization measure in 1996  
2 where, quote, the worst releases of hazardous  
3 waste constituents at the facility were  
4 dumped, including untreated listed hazardous  
5 waste such as K061 were disposed of. These  
6 are hazardous wastes that otherwise would be  
7 banned from land disposal. EPA says some of  
8 the material that will be excavated and  
9 require disposal will be hazardous waste and  
10 the Corrective Action Management Unit located  
11 within the USS Lead facility is not a  
12 hazardous waste landfill and cannot accept  
13 such wastes, except that's exactly what EPA  
14 did was let them bury hazardous waste there.

15 The residential portion of the  
16 site is located within an environmental  
17 justice community that is already home to  
18 several disposal facilities. Further disposal  
19 at the USS Lead property immediately adjacent  
20 to the southern edge of OU1, or the  
21 residential area, would increase the  
22 environmental burden already borne by the  
23 residents. Now that was EPA in 2014. EPA  
24 declared that the interim measures are not a  
25 way -- excuse me, are a way of expediting the



1 protection of human health and the  
2 environment, but they do not represent the  
3 final remedies for remediation of contaminated  
4 facilities.

5 Okay. So let's look at DuPont.  
6 The dump was supposed to undergo closure in  
7 the 1980's when they lost their interim RCRA  
8 status. And there's numerous times when this  
9 landfill at DuPont was supposed to close, but  
10 it's still operating today as a conditionally  
11 exempt landfill which cannot meet any minimum  
12 requirements for location, design,  
13 construction, or operation of a toxic or  
14 hazardous land disposal facility under current  
15 laws and regulations. EPA ignores clear  
16 evidence of ongoing releases of toxic and  
17 hazardous and vapor intrusion hazards from  
18 subsurface wastes, contaminated groundwater,  
19 and deep buried debris.

20 So Amereco found polynuclear  
21 aromatic hydrocarbons, PAHs, okay, and they  
22 also identified that metals in groundwater,  
23 and there were several, that don't meet IDEM's  
24 closure requirements. So leaving waste in  
25 place will not meet the state's requirements

1 for migration to groundwater or closure and it  
2 also won't meet the standards for residential  
3 direct contact or industrial direct contact,  
4 according to the Amereco report. A release  
5 has been confirmed on site and it is  
6 benz(a)anthracene, which is a four-ring PAH  
7 chemical that is orderless and colorless to  
8 yellow-brown and it has cancer-causing  
9 properties. This particular PAH tends to have  
10 greater persistence and carcinogenic and also  
11 a high chronic impact potential.

12 Amereco concludes, based on the  
13 findings of the subsurface investigation,  
14 exposure pathways were identified on site.  
15 Specific hazards identified include subsurface  
16 soils, groundwater, and soil vapors. So I'm  
17 going to give you your own copy, Tom. Here's  
18 EPA's illustration showing the former Anaconda  
19 site, and it goes clear under where we're  
20 standing here at Carrie Gosch.

21 MS. ZANDER: We're out of time.

22 MR. LYTHCOTT: How much more time  
23 do you think it's going to take?

24 MR. DAVIS: I'm going to wrap it  
25 up.

1 MR. LYTHCOTT: Okay.

2 MR. DAVIS: Okay. If you look at  
3 Tetra Tech's study of the canal adjacent to  
4 the Zone 1, you'll find there are toxic hot  
5 spots and PCBs are next to West Calumet  
6 Housing Complex existed, and next to this  
7 school in the canal are high levels of metals,  
8 and this is in the surface sediments. So what  
9 does that mean? That means you have an  
10 ongoing release. This is stuff that's being  
11 deposited now from leaking releases from  
12 sources. And if you go upstream, the levels  
13 are lower. So that's showing that you have an  
14 ongoing release into the environment and you  
15 won't even recognize it.

16 So we've already been over the  
17 part about this school being cut out of the  
18 Superfund site, but let's make it no question  
19 about whether or not that site exists under  
20 here. In 2013, CH2M says the Carrie Gosch  
21 Elementary School and East Chicago public  
22 housing complex were built on the former  
23 Anaconda Copper Company site after 1959, end  
24 quote. So EPA talks out of both sides of its  
25 mouth. In 1996, because they wanted to build

1 a CAMU, they said, excavation and transport of  
2 such large quantities of material pose  
3 significant threats to human health and the  
4 environment. This is due to the possibility  
5 of exposure from airborne dust and removal or  
6 transportation accidents resulting from the  
7 many truckloads of material that must be  
8 removed.

9 In 2018, EPA says, pay 4,000  
10 trucks. It's nothing. Risk can be managed  
11 and mitigated by implementing a  
12 project-specific health and safety plan,  
13 keeping excavation areas properly wetted to  
14 reduce creation of dust and planning truck  
15 routes. Same thing is true for this  
16 stabilization, whether it's in situ or ex  
17 situ. So in 2017, in situ treatment of soil  
18 below the water table within the source area  
19 excavations where saturated soil conditions  
20 warrant treatment will further reduce the  
21 arsenic source to groundwater at DuPont.  
22 Contrast that with EPA's 2018 statement about  
23 USS Superfund site where they said,  
24 Alternative 5 was eliminated because there was  
25 insufficient evidence supporting the long-term

1 effectiveness of the in situ stabilization.

2 And let us not forget that EPA  
3 recently approved the permit for an 180-acre  
4 PCB dump in East Chicago, Indiana, the Indiana  
5 Harbor and Canal Confined Disposal facility,  
6 which is located less than a half mile from  
7 city parks, residential areas, and East  
8 Chicago Central High School, and a new Carrie  
9 Gosch Elementary School that was relocated  
10 here.

11 MR. LYTHCOTT: Coming up on ten  
12 minutes.

13 MR. DAVIS: I'm down to the last  
14 page. So the EPA destroyed any credibility  
15 upon approval of the 180-acre TSCA PCB  
16 disposal permit next to East Chicago's  
17 elementary and high schools. The ROD  
18 amendment should treat all residential areas  
19 of the Superfund site equally and  
20 comprehensively as one Superfund site. The  
21 ROD should prefer remedial action Alternative  
22 4D, as in dog, excavation to native sand. The  
23 ROD should prefer a permanent solution using  
24 alternative treatment technology to the  
25 maximum extent possible and practicable with

1 reductions in volume, mobility, and toxicity  
2 of toxic and hazardous wastes instead of land  
3 disposal of toxic and contaminated remedial  
4 wastes.

5 A permanent cleanup is  
6 economically and technically possible using  
7 existing proven technologies in a combined  
8 system of treatment technologies to separate,  
9 reclaim, and recycle, and decontaminate, and  
10 restore both soils and groundwater. The most  
11 protective and longest -- the most protective  
12 and lowest long-term cost cleanup is a  
13 permanent cleanup, one that eliminates toxic  
14 health threats and financial liabilities for  
15 both the PRPs and contaminated communities by  
16 using innovative technologies to remove and  
17 reclaim the sources of contamination from the  
18 community forever. Thank you.

19 MR. LYTHCOTT: Thank you. And our  
20 next commenter is Sheryl Oliver.

21 MS. OLIVER: I'll pass.

22 MR. LYTHCOTT: Okay. And then  
23 Dr. George Surdoka. I didn't say that right,  
24 did I.

25 MR. SURDOKA: That's all right.

1 They've called me a lot worse.

2 MR. LYTHCOTT: Dr. George.

3 MR. SURDOKA: Good evening,  
4 everybody. You've heard me babble for a few  
5 minutes before. My comments, let me start  
6 with number one. Number one, the EPA and  
7 those people that have been hired by EPA have  
8 not taken into account the true health  
9 concerns of the people in this community.  
10 They use standard estimates of the danger of  
11 the various contaminates that exist in this  
12 area. They do not take into account -- and  
13 this is very serious, they do not take into  
14 account the sensitization of the people over  
15 the many years that they have been exposed to  
16 various toxins of one sort or another, and  
17 they write off the levels here as being too  
18 low to pose a concern.

19 I strongly disagree with that. I  
20 disagree with that primarily because of my own  
21 health problem, which is a service-connected  
22 disability, and I am definitely sensitized to  
23 all kinds of other things. So levels much  
24 lower than you will see printed or listed can  
25 affect me, and I absolutely feel that the

1 people in this community are in the same boat.

2 That's number one.

3 Number two, you're trying to  
4 diminish the amount of toxicity by dilution,  
5 the way you are treating some of these -- some  
6 of the soil that is dug up to extend it and  
7 treat it with some materials to supposedly  
8 detoxify or incapsulate it so it will not  
9 cause a problem. I feel that those  
10 technologies that you have chosen are  
11 inadequate, incorrect, and haven't been tested  
12 nearly enough to show the long-term effects of  
13 what you are doing. Long-term, I mean great  
14 long-term; minimum of 20 years. There's no  
15 testing that has been done by any of the  
16 purveyors, any of the vendors of this material  
17 to show that it will incapsulate properly the  
18 toxic materials that you are trying to mix  
19 with this material.

20 So on that note, I think you need  
21 to do your homework. You need to  
22 reinvestigate the level of toxicity, how it  
23 affects the people in this community, and how  
24 it will affect their lives in the future.  
25 Primarily, those are the things that I feel



1 have not been done adequately. There are  
2 other things that I could ramble on for quite  
3 a while. One of the materials that is being  
4 considered for supposed detoxification is  
5 something called Therabond.

6 MR. LYTHCOTT: Say it again?

7 MR. SURDOKA: Therabond.

8 Therabond is -- does anybody here know what  
9 Therabond is? No one from the EPA that knows  
10 what Therabond is.

11 MR. LYTHCOTT: This is not making  
12 a dialogue. This is public comment.

13 MR. SURDOKA: No, no, I just  
14 wanted to make sure I'm talking to people that  
15 understand me. Since you don't, it's a  
16 (inaudible) product that comes from the waste  
17 stream from paper mills. Now, I have no  
18 problem with taking one person's or one  
19 community's or factory's waste and turning it  
20 into something useful, but I do know this  
21 stuff. I have worked with it a long time ago  
22 now, but I do not believe that it will  
23 incapsulate and detoxify or at least reduce  
24 the toxicity for the period of ten years to 20  
25 years to who knows how much longer. You need

1 to do your homework. I keep saying that and I  
2 mean it. I feel that whoever is in charge  
3 either doesn't know enough or doesn't care  
4 enough. That's all that I need to say right  
5 now. Thank you.

6 MR. LYTHCOTT: Thank you, Doc.  
7 And our next commenter Mr. Ellis Dwayne Moore,  
8 Jr.

9 MR. MOORE: My name is Ellis  
10 Moore. I am, once again, a student from  
11 Purdue University Northwest. My public  
12 comment for today is just where is everybody?  
13 You know, for a problem this, you know,  
14 difficult and in terms of all the nuances,  
15 because from my aspect I'm thinking about how  
16 this problem can be resolved completely,  
17 because what about the people that have the  
18 soils. What happens to the soil once you guys  
19 excavate? Like where does it go, you know,  
20 and how does the other group or other, you  
21 know, city, how do they develop on, you know,  
22 I guess, dirty soil? Does it become  
23 contaminated once again after these  
24 long-term -- after a long-term process  
25 develops?

1           You know, how are we really going  
2           to make a sustainable solution? So I just  
3           hope that I can be an advocate for others in  
4           the community so that more people will show up  
5           and possibly give input that perhaps the  
6           Environmental Protection Agency has not seen,  
7           or they could, you know, look at the people  
8           who are already here today. Even though  
9           we're, you know, small in numbers, they can  
10          see, you know, that this, you know, proverb  
11          that lack of intelligence is the greatest  
12          poverty. If you don't share with the  
13          community what the problem is, I feel as  
14          though you can kind of get away with perhaps  
15          just saying that, okay, we're just going to go  
16          2 feet in and, oh, anything else besides what  
17          we want to do is a money issue. So that's my  
18          public stance.

19                 MR. LYTHCOTT: Thank you. One  
20                 clarification, a lack of intelligence is the  
21                 greatest poverty. In that sentence is  
22                 intelligence meant to be a mental incapacity  
23                 or lack of information?

24                 MR. MOORE: It can be a lack of  
25                 information or --

1 MR. LYTHCOTT: So lack of  
2 information, having no information is a great  
3 poverty.

4 MR. MOORE: Lack of information,  
5 lack of intelligence is the greatest poverty.  
6 That's an Islamic proverb.

7 MR. LYTHCOTT: Thank you. Before  
8 we get to those whose names were pinned, we  
9 have Mr. Lou Donkle.

10 MR. DONKLE: Thank you. As I  
11 mentioned earlier, my name is Lou Donkle. I'm  
12 not from this neighborhood, but I am a  
13 resident of northwest Indiana. So this is my  
14 first -- I've heard of this subject going on  
15 for a long time, but I've never had a chance  
16 to attend and learn some details about it. So  
17 with everybody's help here tonight what I've  
18 heard is that the proposal or the recommended  
19 alternative of digging 24 inches, which is,  
20 what's that, 2B (sic), boy, would leave  
21 hazardous waste, lead, arsenic, and other  
22 things maybe below that.

23 And coming from my community where  
24 we don't have industries around, if we had  
25 found hazardous waste below 24 inches, below

1           our ground level in part of our community,  
2           there would be holy hell to pay. All the  
3           politicians in the state, in the country,  
4           would be rallying to sound the alarm and say,  
5           oh, my God, how can this be allowed to stand  
6           in a residential community. So the notion  
7           that not removing hazardous waste completely  
8           from a residential area is just  
9           incomprehensible to me. So as a resident of  
10          Indiana, a resident of northwest Indiana,  
11          although not a resident in this community, I  
12          absolutely endorse the community's desire to  
13          remove all the hazardous waste from the area  
14          in which they live.

15                         It's the only logical explanation  
16          or option, it seems, from a humanitarian point  
17          of view. And I would ask people in the EPA to  
18          think of themselves if they found their house  
19          to be sitting on top of hazardous waste 24  
20          inches down, what would your community -- how  
21          would your community react? What would you be  
22          advocating for?

23                         MR. LYTHCOTT: Can we cut the side  
24          conversation?

25                         MR. DONKLE: So I do see here the

1 reasoning section for digging down to the  
2 native sand depth. It says it is the greatest  
3 risk to the workers and to the community due  
4 to the long duration of excavation. It's also  
5 difficult to implement. Well, something has  
6 got to be managed, and I can imagine that  
7 managing the construction process is going to  
8 be easier to manage than managing hazardous  
9 waste 24 inches or more below a neighborhood  
10 forever. So at least management of the  
11 construction project is finite in scope as  
12 compared to infinite in scope.

13 So I just -- and the money, I  
14 can't believe the money is an issue. I sure  
15 hope this wouldn't be decided based on the  
16 money. They're relatively small differences  
17 in today's budgetary world, it seems. So as a  
18 northwest Indiana resident I strongly endorse  
19 what the community is asking for, the local  
20 community, which is to remove the hazardous  
21 waste from their community. That's it. Thank  
22 you.

23 MR. LYTHCOTT: Thank you, sir.  
24 Giving a second opportunity for those who  
25 didn't respond. Sherry?

1 (Inaudible response.)

2 MR. LYTHCOTT: You don't have to,  
3 no. Devin Crymes, are you here?

4 (No response.)

5 MR. LYTHCOTT: Debbie Chizenek?

6 MS. CHIZENEK: I'm going to --  
7 (inaudible).

8 MR. LYTHCOTT: Would you introduce  
9 yourself again, please?

10 MR. BERTNER: Joshua Bertner from  
11 Northwestern Environmental Law Clinic  
12 representing the CAG. This is just to build  
13 on something that's in our written comments  
14 because we have a representative from Indiana  
15 here. One of the criteria is compliance with  
16 the ARARs, which is the threshold criteria.  
17 And one of those criteria is the Indiana State  
18 law on the voluntary closure of toxic sites,  
19 which would be violated by 4B because the  
20 arsenic in the vadose zone, the zone abutting  
21 the groundwater, exceeds the guidelines.

22 In that guideline, both guidance  
23 and the statute, I would hope that in response  
24 Indiana and EPA get together on that  
25 state/local issue to make sure that the

1 voluntary remediation standard is met. It is  
2 listed an ARAR in the documentation, but it is  
3 not referenced in the final decision. So,  
4 again, I hope Indiana state law and Superfund  
5 can be meshed on this issue. So take a look  
6 at the fact that 4B does not, in fact, meet  
7 the applicable ARAR and does not meet the  
8 threshold criteria. Thank you.

9 MR. LYTHCOTT: Thank you. And I  
10 believe that's a wrap for those that signed up  
11 to make a public comment. We still have time.  
12 Is there someone who would like to make a  
13 public comment? Yes.

14 MS. LOPEZ: Can I ask something?

15 MR. LYTHCOTT: Reintroduce  
16 yourself, Maritza. Is it a question or a  
17 comment?

18 MS. LOPEZ: I can add it to the  
19 comment, if I can, just real short. I just  
20 wanted to add to my public comment EPA needs  
21 to notify HUD because we're having a problem.  
22 Those of us residents that have applied for a  
23 redevelopment grant, per HUD we no longer  
24 qualify for that grant because they're saying  
25 we have to be off the -- the Superfund site



1 has to be off the national priorities list.  
2 So we just found that out, which means if the  
3 Superfund site has to be off the national  
4 priorities list, that means there cannot be no  
5 economic development, no HUD funds for  
6 Zones 1, 2, and 3 for no economic development.  
7 So there's major concern there. So that is  
8 the job of the federal agencies to work and  
9 communicate that. Because if there are  
10 grants, federal grants, that are meant to  
11 protect us, I applied for that HUD  
12 redevelopment grant in 2015 and I was  
13 approved. They found I need lead abatement.  
14 They found I need weatherization. They found  
15 lead and arsenic coming in through my windows,  
16 my doors. I need special chimney caps. The  
17 carpeting on my stairs, guess who had to rip  
18 it off because EPA didn't have that, but yet  
19 you remediated my soil because it was full of  
20 arsenic. What do you think that outdoor  
21 carpeting took in?

22 MR. LYTHCOTT: For clarity, is  
23 this the issue of there being a HUD program in  
24 which homeowners are eligibility for home  
25 improvement grants, and when you applied you

1 were told until they heard from EPA that your  
2 land was clean or are you saying that the site  
3 has to be delisted or your property?

4 MS. LOPEZ: We just found out that  
5 the site that they were informed by a  
6 representative -- from a federal  
7 representative of HUD and one from the State  
8 of Indiana. That was in September of 2018,  
9 because after we got remediated -- originally,  
10 when I applied, everything was a green light,  
11 and then after we were told we needed to be  
12 remediated. Once we got remediated, submit  
13 our paperwork from EPA and we were good to go  
14 to the department of redevelopment and we were  
15 good to go. Now the department of  
16 redevelopment got told something else.

17 MR. LYTHCOTT: The stenographer  
18 cannot hear off-mike comments.

19 MS. ZANDER: And let me just say I  
20 think the solution here is that this isn't --  
21 what I'm hearing is not really a comment about  
22 the current proposal and that is maybe a  
23 comment that we can have right after this.

24 MS. LOPEZ: It is part of the  
25 current proposal. It is the proposed

1 residential standard for proposed possible --

2 MS. ZANDER: I'm sorry, I don't --

3 MS. LOPEZ: That's why I'm putting  
4 it as part of my comments.

5 MS. ZANDER: I have information  
6 that I think will help you see it in context  
7 that I can talk to you about after this, that  
8 I think we don't need to hold the entire group  
9 for. I'm happy to set this mike down and come  
10 talk to you, but I think what we were headed  
11 for is closing out the meeting because we're  
12 through with all the comments. So I'm going  
13 to let Janet take it over.

14 MS. POPE: Okay.

15 MR. LYTHCOTT: Tell you what, why  
16 don't I close out my part of the meeting and  
17 turn it over to Janet. I would like to say to  
18 you that it is an honor for me to be a guest  
19 in your community. I get to travel around the  
20 country at event meetings like this, and to  
21 find citizens that are this passionate about  
22 their community and willing to stay up and  
23 come and to show up, it's really outstanding.  
24 So I just want to say I'm humbled, and I'll  
25 turn it over to Janet.

1 MS. POPE: I just want to say you  
2 have until March 13th to submit all public  
3 comments, March 13th. Thank you for coming.  
4

5 (Proceedings concluded at  
6 8:21 p.m.)

7 \* \* \*

8  
9 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

10 PUBLIC MEETING (RESCHEDULED)

11 RE: PROPOSED PLAN FOR ZONE 1

12 USS LEAD SUPERFUND SITE

13 REPORTER'S CERTIFICATE

14  
15 I, Beth A. Barnette, CSR and Notary  
16 Public, do hereby certify that I reported in  
17 machine shorthand the foregoing proceedings had  
18 in the above-entitled matter, at the time and  
19 place herein before set forth; and I do further  
20 certify that the foregoing transcript,  
21 consisting of one hundred twenty-two (122)  
22 typewritten pages, is a true and correct  
23 transcript of my said stenographic notes, to  
24 the best of my ability.

25 Signed this 25th day of February,  
2019.

*Beth Barnette*

\_\_\_\_\_  
BETH A. BARNETTE, CSR  
Notary Public  
My Commission Expires: 6/13/22

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